

SHIMANO

2026 E-BIKE PRODUCT
CATALOGUE

SHIMANO
E-BIKE
SYSTEMS

English (GB)

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Carefully Crafted Over A Century, Built On Cycling History

THE ESSENCE OF CYCLING

Our e-bike systems are carefully crafted by drawing from a century of successful technology-driven innovations. Over the past 100 years, we've changed the face of cycling and the cycling industry, starting in 1921 when the 26-year-old Shozaburo Shimano introduced his first product — the freewheel. We've enriched the lives of commuters, leisure cyclists and off-road riders — and enabled pro-riders to compete at the highest levels. Now we've put all of our expertise into one of the most innovative e-bike systems available today. If you truly want to experience the essence of cycling, make the switch to SHIMANO E-BIKE SYSTEMS.





Energize Your Lifestyle

NOT ONLY WILL SHIMANO E-BIKE SYSTEMS
TRANSFORM YOUR RIDE BUT IT WILL ALSO
TRANSFORM YOUR LIFE

City Riding And Trekking
E-bike Systems For Day-to-Day Use



Mountain Bike

E-bike Systems For Adventurers

SHIMANO
E-BIKE
SYSTEMS



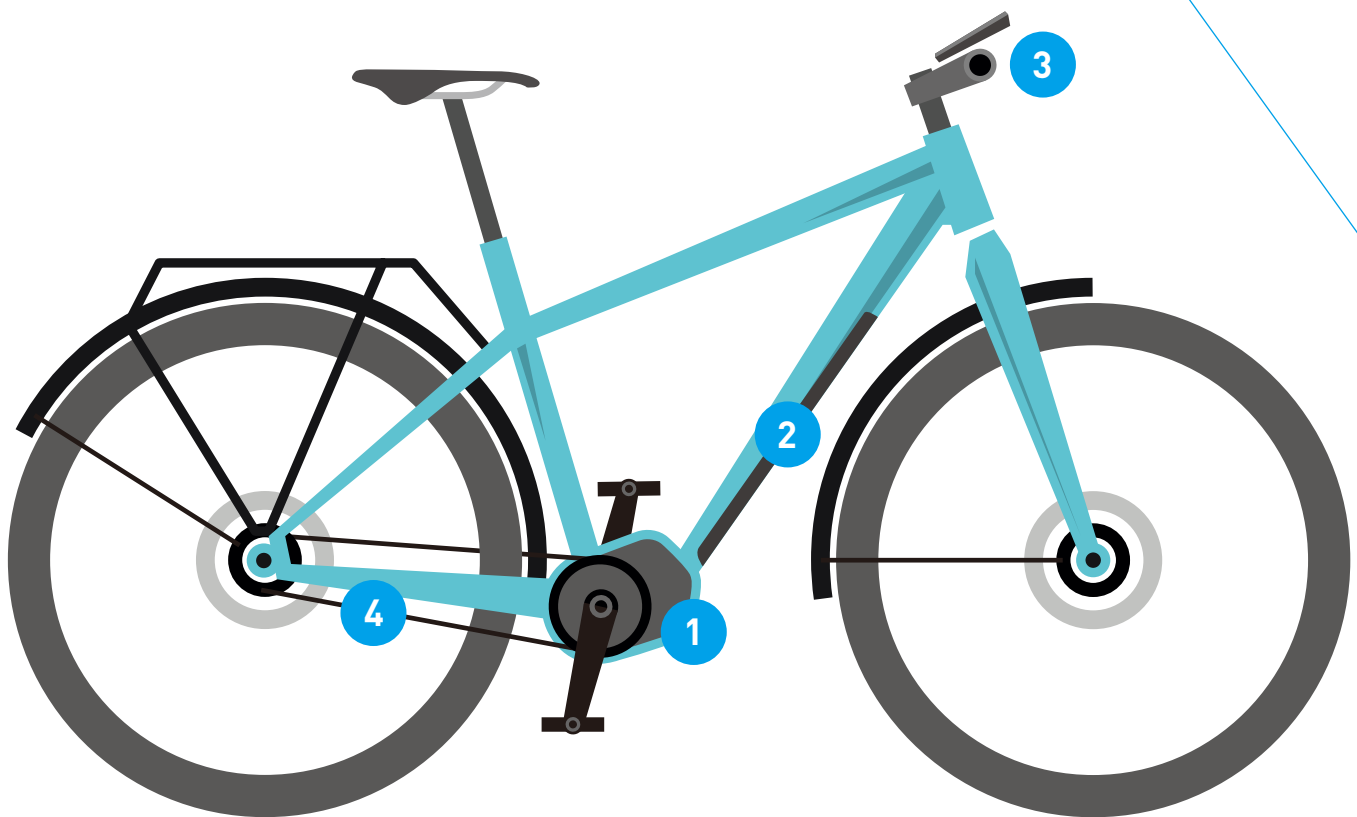
Keeping fit has never been so much fun. Whether you're zipping around the city, coasting through the countryside, traversing tough terrain or scaling mountains – our high-end e-bike systems will be with you every step of the way.

They're designed to emulate the riding motion of a regular bike and– thanks to the intuitive pedal-assist – you'll barely notice you're on an e-bike. But you will benefit from the extra support.

Smart, smooth, silent and powerful, SHIMANO E-BIKE SYSTEMS will keep you healthy and agile whatever road you take – and you'll create terrific memories with friends along the way.

We Make E-bike Systems

OUR HIGH-END E-BIKE SYSTEMS CONSIST OF A DRIVE UNIT, BATTERY, DISPLAY, AND ASSIST SWITCH DESIGNED TO WORK SEAMLESSLY WITH A COMPLETE SHIMANO DRIVETRAIN FOR A NATURAL AND ENHANCED RIDING EXPERIENCE.





1 — Drive unit

Our powerful and lightweight drive units offer smooth, intelligent pedal-assist to boost your ride up to the legal limit of each region. The mid-motor is mounted at the bike's centre of gravity for neutral handling. While a narrowed pedal-to-frame width ensures a natural riding feel. And it's incredibly durable for all weather conditions.

2 — Battery

Our high-quality Li-ion batteries have a very long life and can handle 500 charge cycles without significant power loss. Plus they have fast charging times — ideal for those who are always on the go. They also give you the freedom to go the distance, knowing you'll get there and back on a single charge.



3 — Cycle computer

Our sleek cycle computers allow you to choose what data you view — and how you view it with multiple display options. Check your speed, distance, gear, trip time, power-assist mode, and more at a glance. Connect wirelessly to your PC, smartphone, or tablet using our Shimano E-TUBE apps to customize your ride to the max. You can even transform your smartphone into a SHIMANO E-BIKE SYSTEMS cycle computer.

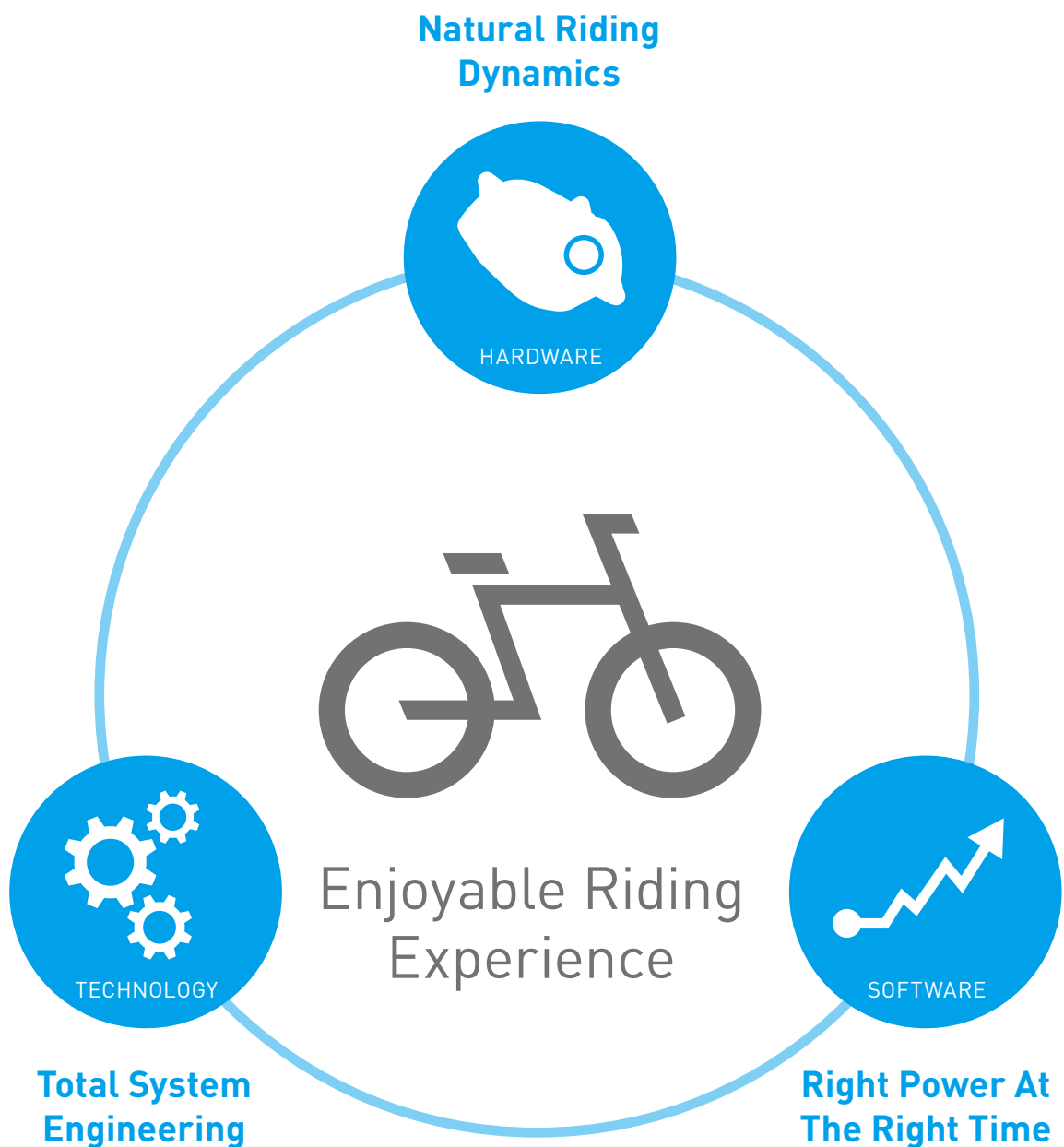
4 — Drivetrain

Our fully integrated drivetrain works in perfect harmony with each component — crank, chainring, chain, cassette, rear derailleur or internal geared hub — as they all use Shimano's proven technology. This ensures maximum efficiency and unparalleled performance.

Available On A Wide Variety Of Brands

SHIMANO E-BIKE SYSTEMS come equipped with a wide variety of bike brands. Browse your favorite at <https://bike.shimano.com/category/e-bike.html>

Development Philosophy



A BIKE ENGINEERED PEDALING INTERFACE FOR MORE NATURAL BIKE CONTROL

Lightweight

As with any Shimano design, we continue to find ways to reduce component weight to improve handling and bike control.

When it comes to optimal performance off-road, you want a light, agile and nimble ride. At 2.7 kg, the EP8 drive unit weighs 180 g less than predecessor drive units. It is truly one of the lightest drive units available and delivers best-in-class power for its weight.



EP801

Compact & Powerful

Don't let size or looks deceive you. This sleek, slender and slim drive unit packs a robust 85 N·m of power to get you to the top of your next epic descent.

A more compact, integrated drive unit also allows for increased ground clearance for when the trail turns technical.



Left Side View

Rear View

EP8 vs. DU-E8000

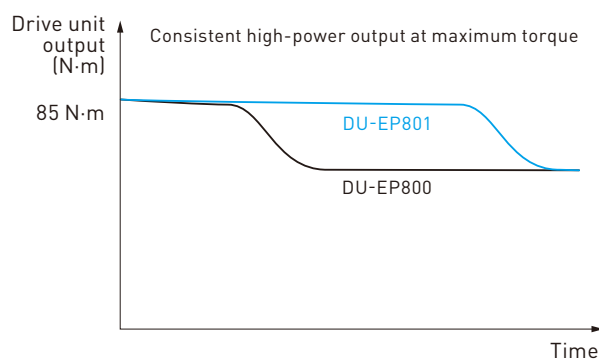
Quieter

Despite its increased power, the EP8 drive unit operates almost silently so you can fully enjoy the natural sounds of the trails without distraction.

Our EP801 drive unit is 2dB quieter than our E8000 drive unit while outputting higher maximum levels of assist.

Handle The Heat

Thanks to the combination of materials with robust heat dissipation, a larger moulded-in surface area, and a completely redesigned motor housing, EP801 can handle rising temperatures on climbs, meaning you get the maximum torque for an extended period of time.

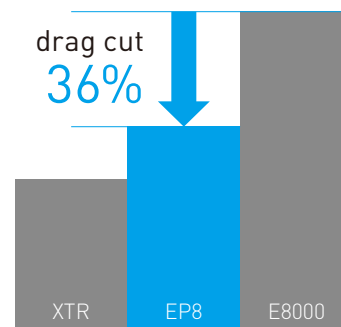


Smoother Pedaling

We believe all riders should feel in complete control in the saddle. This belief, combined with our rider first design approach, means we have raised the benchmark yet again to reduce drag by a further 36%.

An improved clutch mechanism results in a more responsive ride, allowing for a smoother cut-off when pedaling above the legal speed limit in each region.

EP8 delivers smooth pedaling and no surprises.

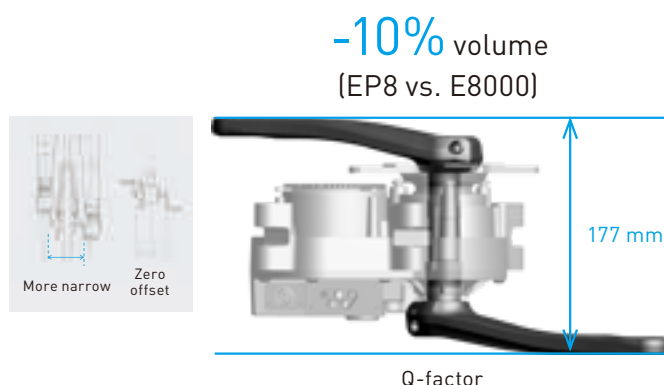


DRAG COMPARISON (%)

Zero Offset And Narrower Q-Factor

Our e-bike systems have zero offset and the same Q-factor as conventional bikes. This enables a more direct linear delivery of rider power from their hips, down through their legs, and transferred to the pedals.

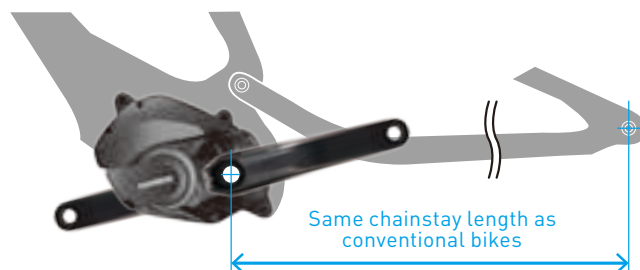
When you exceed the motor-assist limit of 25 km/h, you'll appreciate this natural feel as you get the most out of each pedal stroke.



Short Chain Stay

The drive unit has been designed so that frames can have the same chain stay length as conventional bikes.

The short chain stay specification allows frame makers to design power-assisted bikes that provide the same maneuverable handling and authentic feel of conventional bikes.

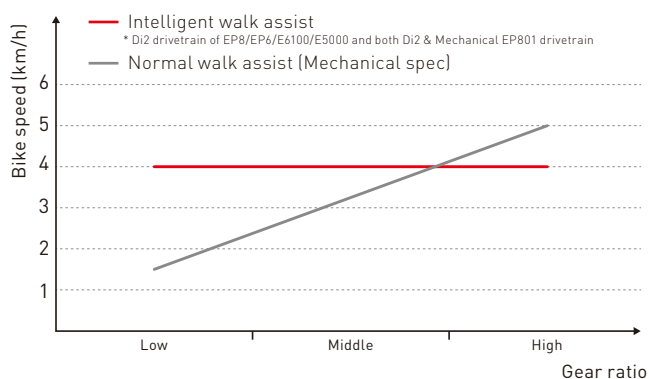


Intelligent Walk Assist*

When walking the bike up a mountain trail, intelligent walk assist automatically adjusts drive unit output torque to keep the bike speed at 4 km/h no matter which gear ratio is used.

Starting with EP801, mechanical walk assist has been improved to the same level as Di2 Intelligent walk assist to make off-the-bike handling even easier for more riders.

* The walk assist mode function may not be able to be used in certain regions. (Singapore, Brazil)



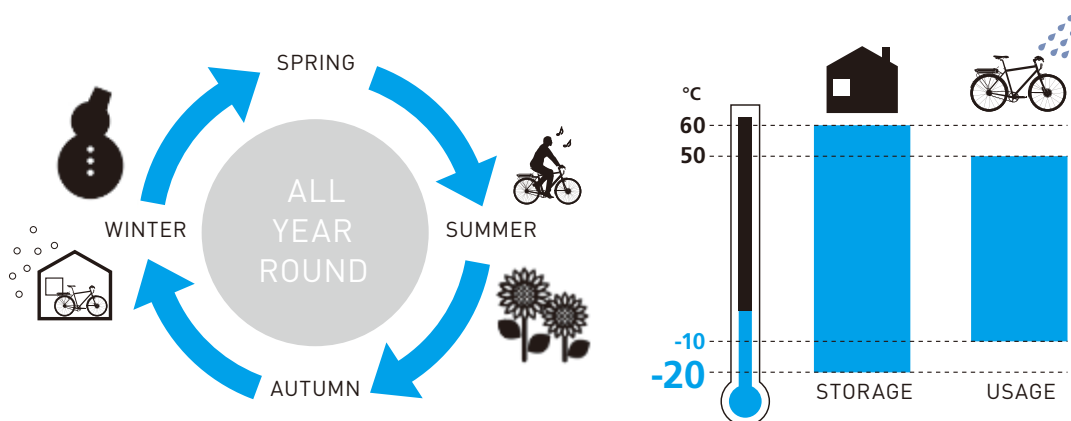
| | Intelligent walk assist | |
|-------------------------------|-------------------------|-----------------------|
| | Di2 drivetrain | Mechanical drivetrain |
| EP801/EP600/EP500 | ✓ | ✓ |
| E8000/E7000/E6100/E6110/E5100 | ✓ | — |

SHIMANO BATTERY SOLUTIONS

Shimano batteries and chargers* are IPX5 water-resistant so you don't have to lug your batteries inside to recharge. Being able to quickly charge your bike outside is a quality-of-life improvement that is a huge benefit for riders who want a fast boost of range while stopping for a meal or meeting friends.

Shimano battery systems deliver long-life operation and can be stored safely at a wide range of temperatures for year-round enjoyment under any conditions.

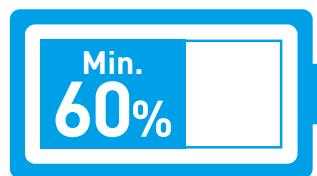
* Some products are not IPX5 rated.



Anti-aging Battery

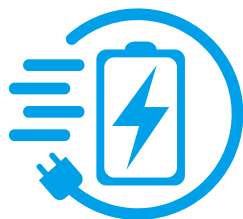
The durable battery retains a greater charge for a longer time


SHIMANO E-BIKE SYSTEMS utilises a long-life battery to maintain sufficient output, even after 1,000 charges.



After 1,000 charges:
Holds at least 60%
of initial capacity

High-Level Water-Resistant Performance and Quick Charging



| |  80% charged | 100% charged |
|----------------------------------|--|---------------------|
| 418Wh | 2h | 3h |
| 504Wh | 2.5h | 4h |
| 630Wh | 3.2h | 4.8h |
| Note: When charged with EC-E8004 | | |
| 712Wh | 3.4h | 5.2h |

Note: When charged with EC-EN814

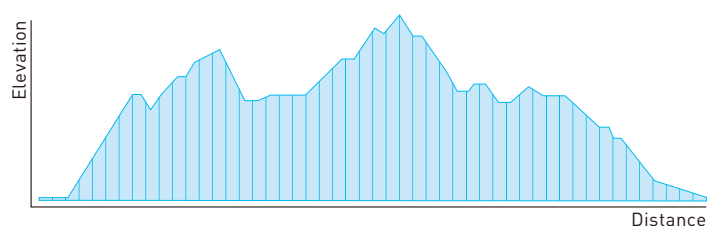
RIDING DISTANCE

Shimano original assist algorithms are developed and improved based on rider experiences and desires. SHIMANO E-BIKE SYSTEMS relies on the combination of its sensors, drive unit tuning and efficient pedaling mechanics to deliver a riding experience that is both highly sophisticated and intuitive at the same time.

Real-time riding data from the torque, cadence, and speed sensors are analyzed to detect the optimal assist for every

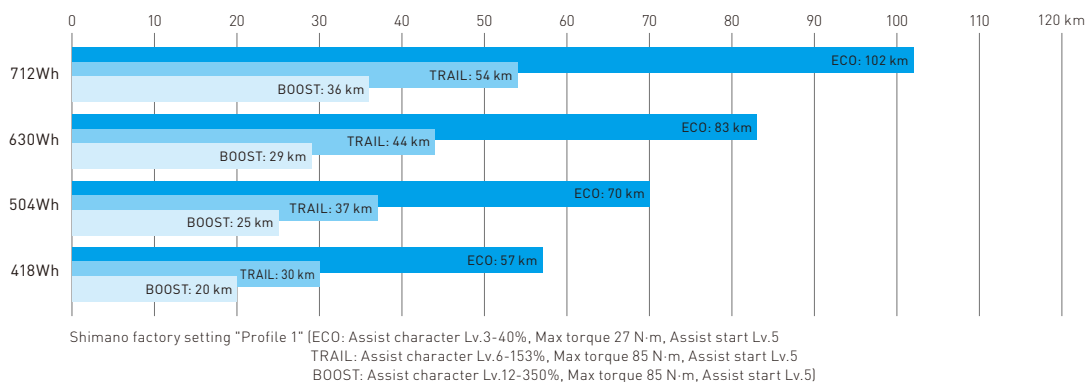
Singletrack Course* Performance

EP801 is 20% more powerful than E8000 while providing the same great riding range on a single track test course* packed with steep climbs.

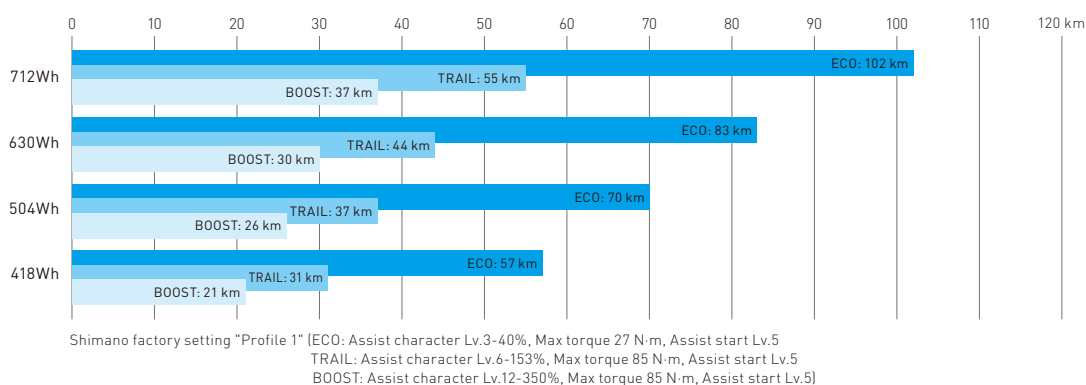


* Testing conditions:
 Terrain type: Single track course
 One loop course:
 -Distance: 3,400 m;
 -Total Elevation: 150 m;
 -Average (incline) gradient on climbing: 8.1%;
 -Max. gradient on climbing: 16.7%
 Rider weight: 80 kg
 Cadence: 60 rpm;
 MTB bike with 27.5 x 2.6 MTB tire
 Temperature: 23°C
 Without electronic shifting, without lights
 25 km/h specification

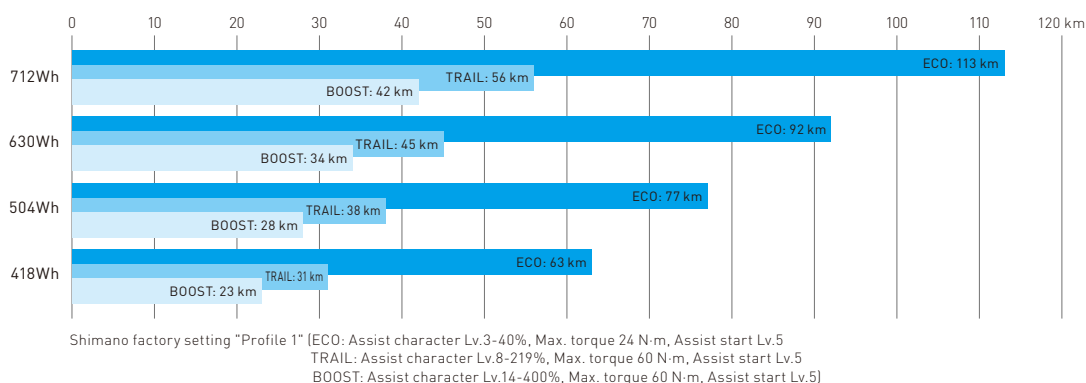
DU-EP801 e-MTB



DU-EP600 e-MTB



DU-EP500 e-MTB



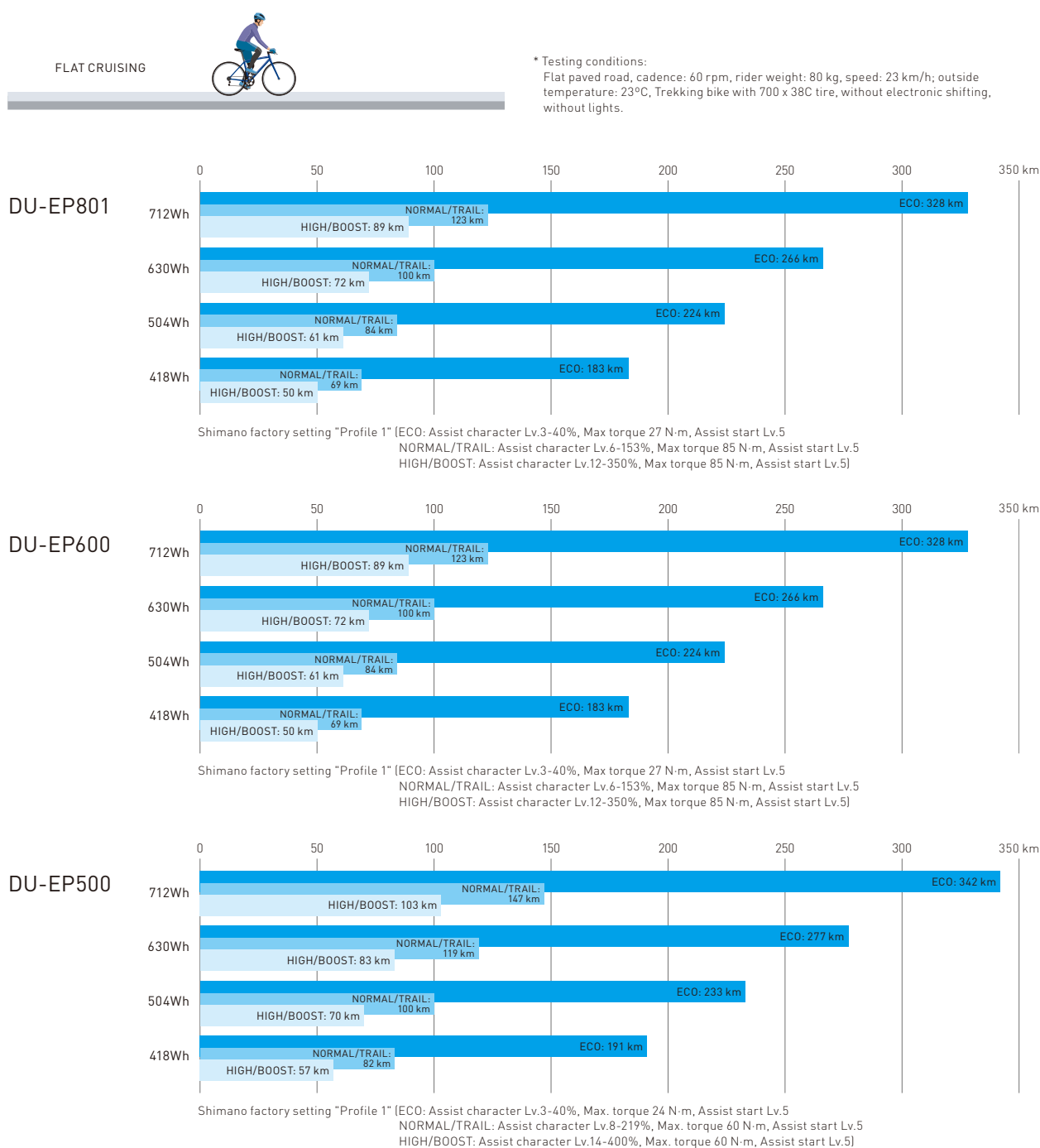
Note: These figures represent expected range for new rechargeable batteries and may vary over time or if used outside of these specific testing conditions.

moment. Automatically-applied assist output characteristics (Powerful and Natural) make the most of every pedal stroke and battery charge. The optimal amount of support provided at the right time also reduces harsh and unnatural surges of power, keeps pedaling smooth, and supports a more natural cycling experience in any environment.

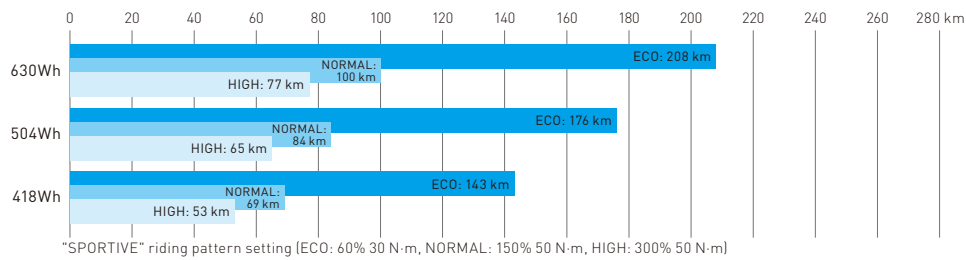
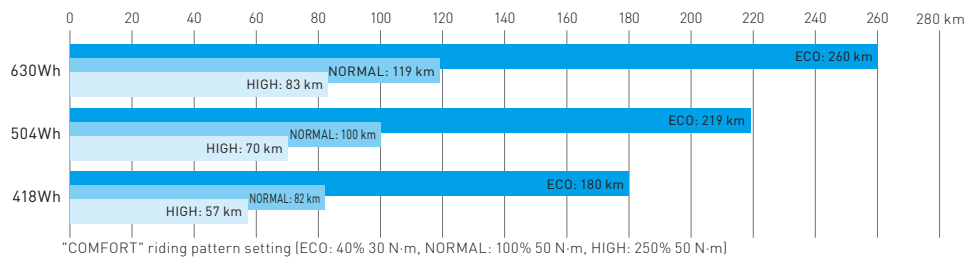
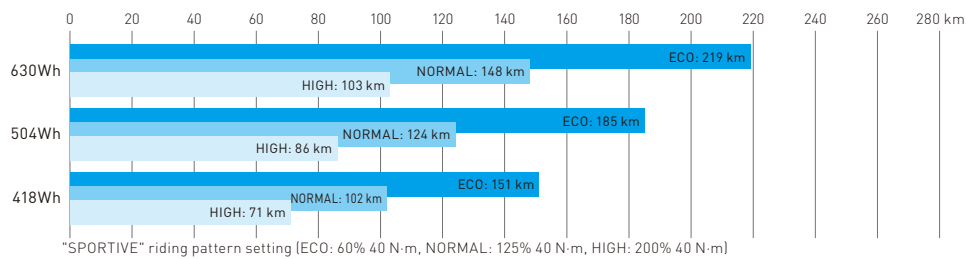
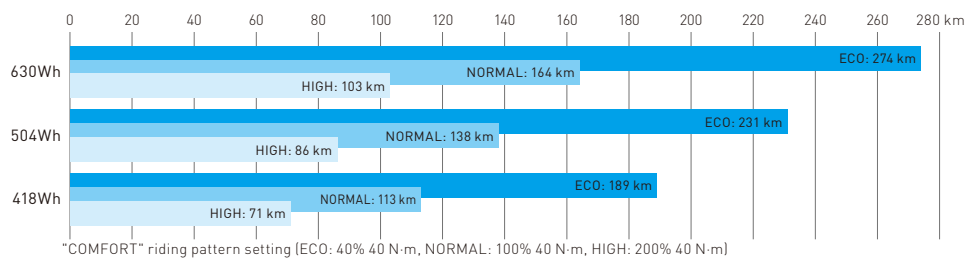
Flat Paved Road Course* Condition

Shimano tested battery ranges for each drive unit and mode

The range figures below show tested battery ranges* for different battery sizes on mostly flat commuting or touring rides in cities and suburbs. Actual range can be reduced by non-optimal conditions. e.g. long and or frequent elevation gain, below freezing temps, etc.



Note: These figures represent expected range for new rechargeable batteries and may vary over time or if used outside of these specific testing conditions.

DU-E5100
SPORTIVEDU-E5100
COMFORTDU-E5000
SPORTIVEDU-E5000
COMFORT

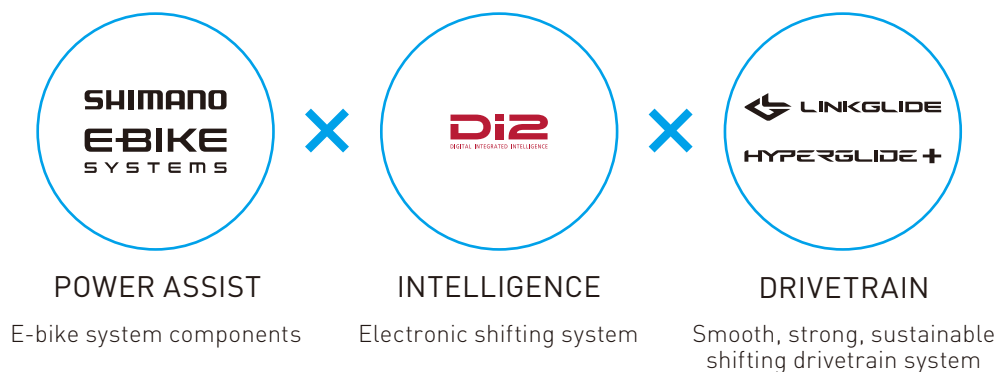
Note: These figures represent expected range for new rechargeable batteries and may vary over time or if used outside of these specific testing conditions.

SHIFTING TECHNOLOGY

Fusion of Power Assist x Intelligence x Drivetrain

POWER ASSIST x INTELLIGENCE x DRIVETRAIN into a More Complete Bike

Only Shimano can deliver a fully integrated ecosystem



AUTO SHIFT

Always in the right gear.



AUTO SHIFT is an automatic shifting technology that monitors your pedaling dynamics to keep you in the right gear and focused on what matters in every moment. Multiple system sensors continually measure your cadence, torque, and speed to automatically move you into the optimal gear without requiring you to shift manually. As your speed and cadence slow and torque increases, the system selects an easier gear. When you start pedaling and speed up, the system shifts to a higher gear for you, so you can always be in the right gear at the right time. Focus on what matters with AUTO SHIFT.

SHIMANO develops every part of our revolutionary AUTO SHIFT system in-house, allowing us to create targeted value for various riding styles.



SHIFT-FREE TRAIL FOCUS

AUTO SHIFT for e-MTB is designed to help trail riders keep their flow while making their way up, down, and around the mountain.



MAKE COMFORT A CONSTANT

AUTO SHIFT for e-city and e-trekking enhances cruising enjoyment with a consistent pace and intensity decided by the rider.

Our new automatic shifting system combines automatic convenience with manual control. SHIMANO AUTO SHIFT is designed to keep you in the right gear for each moment, while also allowing you to make manual shifts any time you want to override the shifting algorithm.

FREE SHIFT

KEEP YOUR FLOW WITH PEDAL-FREE SHIFTING

FREE SHIFT provides riders with the ability to shift gears without pedaling. This breakthrough technology enables shifting – either manually or automatically by a compatible EP801 or EP6 drive unit and Di2 drivetrain – when coasting to ensure you're in the right gear when you resume pedaling.



FOCUSED DESCENTS

FREE SHIFT for e-MTB helps you keep a stable body position by allowing you to change gears mid-descent without pedaling. Riders with FREE SHIFT can emerge from descents prepared for trail changes and avoid spin-outs or being overgeared.



FOCUSED CORNERING

Being able to shift to the right gear without pedaling will change how you think about cornering. FREE SHIFT helps you focus on planning your line and maintaining a stable body position for greater control and acceleration after corners.

FREE SHIFT is available on compatible e-bikes with Di2 shifting. While coasting, the drive unit uses just enough power to rotate the chainring and cassette to smoothly complete shifts and does not affect the acceleration of the e-bike.

AUTO SHIFT CUSTOMIZATION QUICK MANUAL

E-bikers can adjust AUTO SHIFT to match where they ride and how they like to shift gears. The two key settings that affect the AUTO SHIFT experience are "Shift timing" and "Climbing response." Using the E-TUBE PROJECT Cyclist application, you can try our recommended settings or fine-tune them in three quick steps.

<https://bike.shimano.com/technologies/details/auto-shift-customization-quick-manual.html>





Long-lasting performance

LINKGLIDE delivers seamless shifting and pedaling performance that's made to last. It is an exceptionally durable drivetrain built to stand up to persistent daily wear and provide enduring shifting and pedaling performance for multi-purpose bikes and high-torque e-bikes.

The robustly engineered cassette design shifts up and down gears seamlessly while significantly reducing drivetrain wear. LINKGLIDE is the ultimate utility drivetrain that delivers long-lasting performance.

3X Durable

Drivetrain durability is essential for high torque e-bikes and daily riders who might ride in the same gear for months or years at a time. LINKGLIDE provides smooth and decisive shifting that lasts longer than ever before.

Increased longevity/less skipping

LINKGLIDE's re-designed cassette teeth have a substantially thicker base and a unique chamfer that drastically improves wear resistance in high torque applications. This increase in cassette durability prolongs smooth driving performance and lengthens the amount of time before chain skips caused by wear start to happen.

Robust teeth design

A major advantage of the LINKGLIDE platform is that the robust teeth shape provides excellent durability and improved wear resistance. This is very important because riders who often buy bikes at this level, choose bikes with gearing but may forget to shift or maintain their bikes as often as they should.

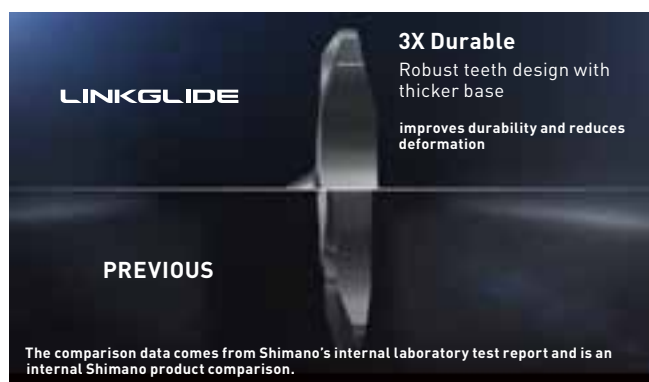
3X Smoother

LINKGLIDE consistently delivers smoother, more even pedaling while shifting that you can barely feel at your feet.

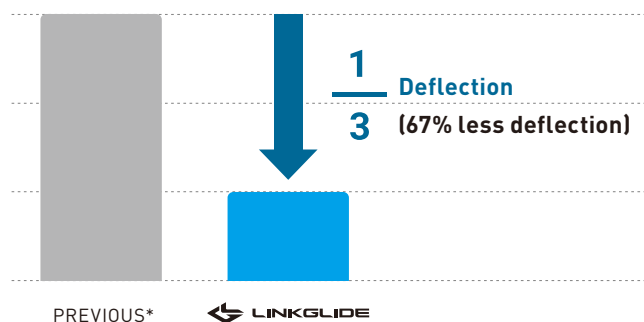
Smoother pedaling from start to finish

Crank idling angle during up/outward shifts (lower = smoother)

LINKGLIDE delivers up to three times smoother performance by improving the chain's flow between cogs. This smoother handoff reduces the stress of shifting shock for more seamless and enjoyable riding.



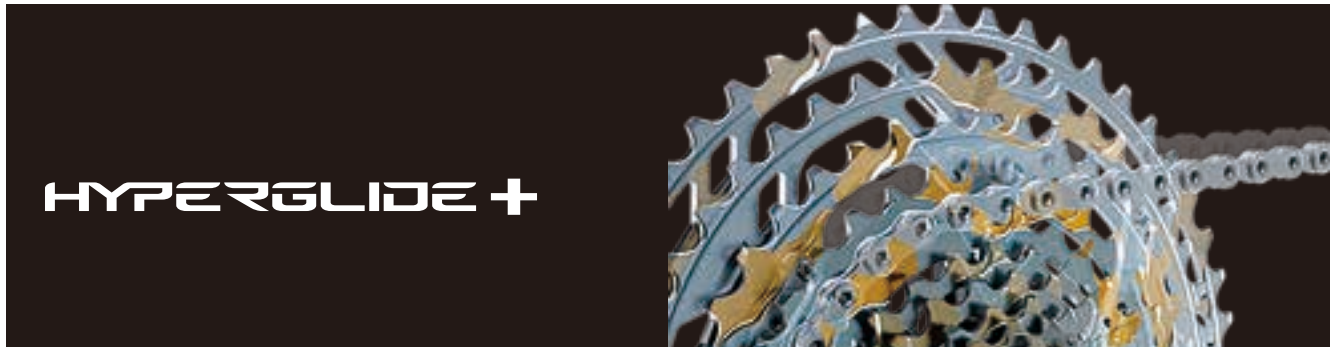
*PREVIOUS = HG (HYPERGLIDE)



Test condition: repeated inward and outward shifting.

The average data of 11T, 13T, 15T

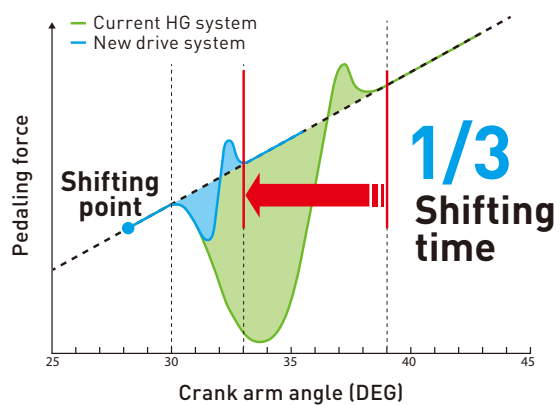
*PREVIOUS = HG (HYPERGLIDE)



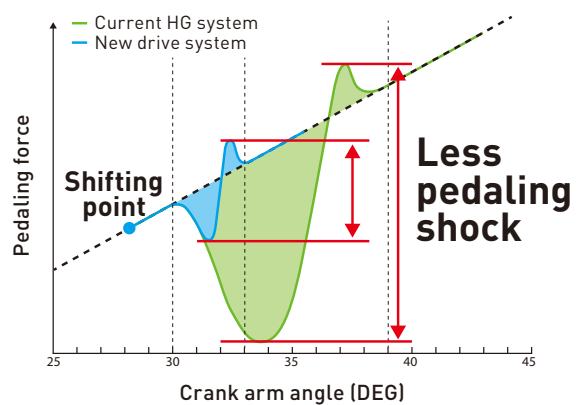
HYPERGLIDE+ drivetrain's redesigned cassette and chain support next-generation riding by enhancing speed, shifting efficiency and smoothness over any terrain.

This revolutionary shifting system uses our original ramp designs and technologies to smoothly guide the chain up and down the cassette for lighter, faster shifting, even under extreme pedaling force.

Fast shifting



Shockless shifting

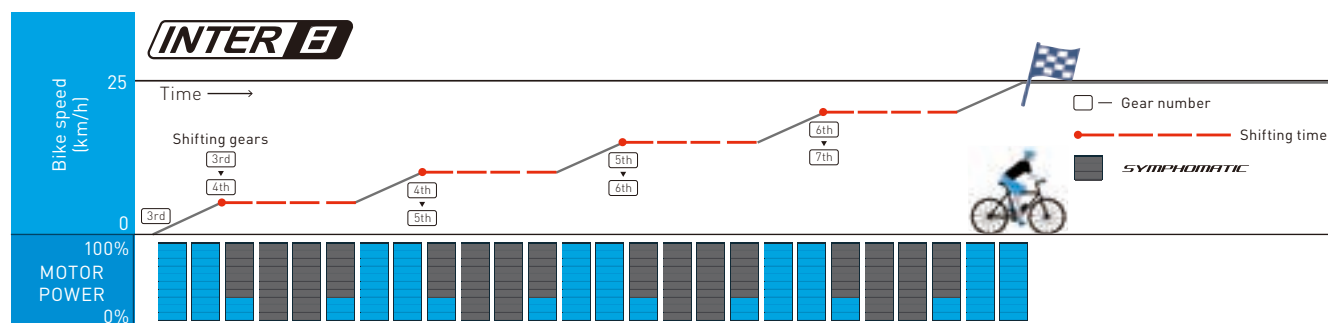
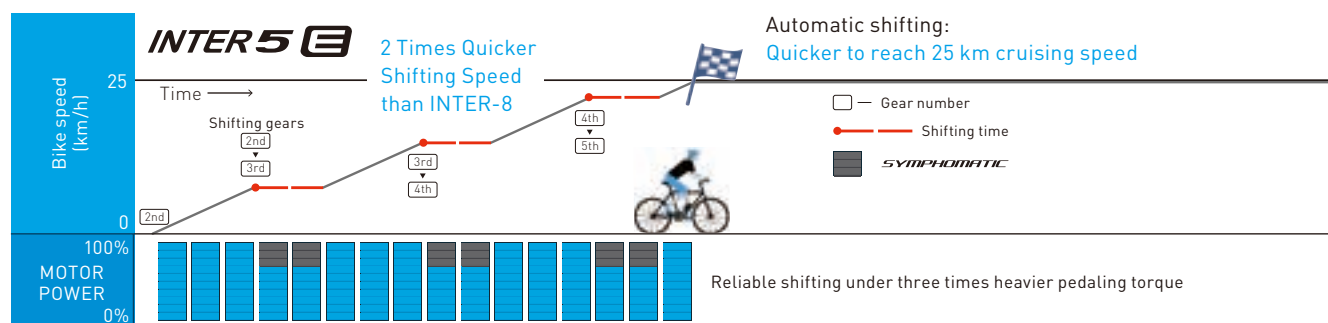


E-bike Di2 Internal Geared Hub Automatic Shifting (INTER-8/INTER-5E)

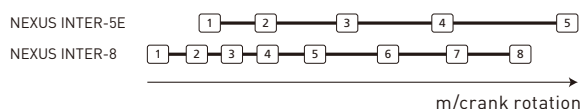
INTER 5 BIKE DESIGN

EP8/EP6/EP5/E5100 and E5000 series drive units in combination with a Di2-compatible 8/5 speed internal geared hub offer full automatic shifting. The SHIMANO E-BIKE SYSTEMS system automatically selects and shifts into the optimum gear based on the number of crank rotations and speed.

When riders manually shift in auto mode, the SHIMANO E-BIKE SYSTEMS uses a learning function to recognize the manual shift and automatically fine-tunes future automatic shift timing to the rider's liking. This offers a stress-free ride, eliminating the need for the rider to worry about whether they're in the right gear or have to change gears after an abrupt stop.



Comparison of gear steps



The NEXUS INTER-5E shifts faster under higher load compared to other internal gear hubs because it doesn't need to decrease assist power to 0%. Wide gear steps between the 3rd and 5th gear ensure you reach 25 km/h twice as fast as the NEXUS INTER-8 and with fewer shifting actions.

SYMPHOMATIC

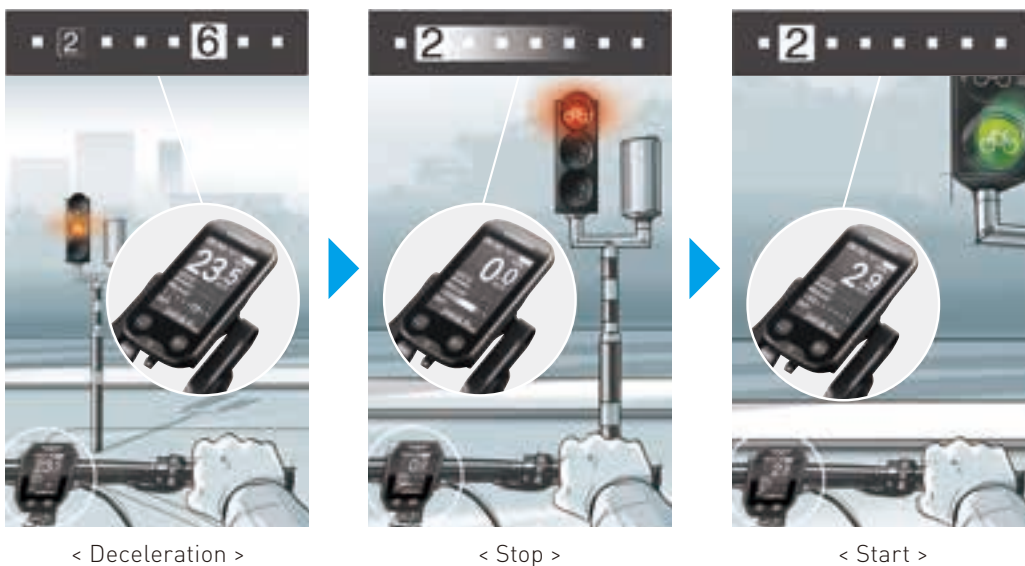
SHIMANO E-BIKE SYSTEMS computer-assisted shifting system provides more responsive and stable shifting performance. This innovative system monitors rider's motion and determines the optimal timing to momentarily decrease power to the pedal assist motor. The temporary reduction of chain tension allows smooth and unimpeded gear movement.

Start Mode

INTER 11 INTER 13 INTER 5 E Di2

The drive unit automatically switches to a lower gear to provide the rider with an easier restart when stopping for traffic lights, crowds, or other situations. This makes it easy to start off again without wobbling forward while struggling to pedal, in case you forget to shift down when coming to a stop.

This unique Shimano Di2 technology is especially useful in urban areas, which require frequent stopping and starting. Use a cycling computer or E-TUBE PROJECT to set the rider's desired gear when starting off.



COMFORTABLE IN ANY SITUATION

There are no shortcuts when creating a truly enjoyable e-bike riding experience. Just like all our groupsets, SHIMANO E-BIKE SYSTEMS works in perfect harmony with our bike components. It is only when every part of the system is engineered and balanced together, that it becomes possible to provide the level of comfort, control and response that delights riders. Greater system efficiency means more riding range on fewer charges, and longer overall battery life.

With every stroke of the pedal, you can practically feel the years of hard work that went into creating more synergy between rider, pedaling and assist.

Enjoy longer and more enjoyable rides whether you take the scenic way home, venture farther, or tackle tougher mountain trails.



RACE-SPECIFIC FIRMWARE UPDATE FOR SHIMANO EP801 SYSTEMS

Key features developed by Shimano Enduro World Cup Race Teams

Developed with Shimano's world-cup winning Yeti / Shimano EP racing team and proven by Orbea OOLab and Rotwild Schwalbe Enduro teams, the new features include a higher assist level for boost mode, a customizable max speed cutoff progression, and extended carry-over assist when riders stop pedaling.

Higher Assist in Boost Mode

With the new EP801 firmware update, the assist level of the system's highest boost setting is now even higher, achieving the maximum 400% assist ratio with ease. That means a quicker response when you push the pedals, with maximum torque delivered when it's needed most. Tested and proven on the EDR-E World Cup Power Stages, this new assist level is a game changer for race-winning efforts and will make everyday riding even more exciting, letting you tackle the challenging technical climbs with confidence.



Customizable Max Speed Cutoff

You can now customize how the EP801 system cuts off power when the max assist speed is reached. Whether you want a more natural wind-down of power for a smooth cutoff or want to maximize the assist all the way to the cutoff point – the choice is yours. This is just another way EP801 delivers the customizable system to create the perfect setup for racing and riding.

*EP600 also receives the firmware update for max speed cutoff

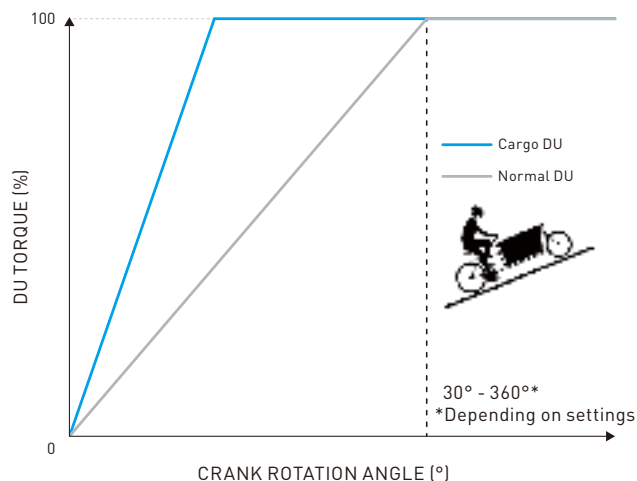
Uninterrupted Power Delivery

The most exciting feature delivered with the new EP801 firmware update is the extended carry-over assist for when you stop pedaling. This is a key race advantage, allowing you to stop pedaling for a moment in the middle of the technical and challenging terrain while the motor continues your forward momentum. Now, you can focus on getting through tricky sections of trail smoothly – without losing momentum or balance.

The duration of this extended assist mode can be customized between short, medium and long, so you can fine-tune the assist based on the riding terrain, race-specific needs, or by what feels most natural.

Dedicated E-Cargo Firmware

E-Cargo dedicated firmware provides quick power delivery from 0 km/h. It helps smoother acceleration for heavy cargo bikes to reach stable cruising speed faster.



Swap Between Customizable Rider Profiles On The Fly

To get you out there riding, we've pre-loaded two profiles with three adjustable modes* that are accessible via your display and can be set to match the rider's needs. For example, Profile 1 can be set for more typical commuting and light trails, while Profile 2 can be maxed out for the most intense or demanding routes. This will have you covered for a variety of terrain, from challenging singletrack and flowing fire roads to technical rocky sections.

* Need to connect to E-TUBE PROJECT application to adjust each mode in advance.

Save your preferences as two different profiles and switch between them easily via your display when swapping the commute for weekend trails.



Setting → Assist Customize



Profile 1 ↔ Profile 2

E-TUBE PROJECT

The E-TUBE PROJECT Cyclist App allows you to wirelessly adjust system settings to your individual needs and easily update your firmware. Future versions will add new ways for riders to focus, explore, and take control of their e-bike experience.

1 Power adjustment/customization to fit your unique riding style

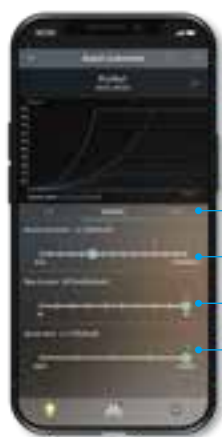
You can customize assist profiles (1 or 2) in our E-TUBE PROJECT Cyclist App

* BASIC MODE and FINE-TUNE MODE settings for each Profile may vary depending on the factory setting chosen by each bike brand.

BASIC MODE —

Classic assist support with 3 patterns

Ride at ease with BASIC MODE and its three customizable assist patterns (ECO, TRAIL, and BOOST or ECO, NORMAL, and HIGH) for smooth support in most conditions.



E-MTB: ECO - TRAIL - BOOST
Others: ECO - NORMAL - HIGH

Assist character

Max torque

Assist start

FINE TUNE MODE —

Targeted assist with up to 15 patterns

Take more precise control with up to fifteen assist patterns in FINE TUNE MODE. This allows riders to adjust assist patterns to match pace with group riders at a comfortable cadence, and better match specific routes or trails.



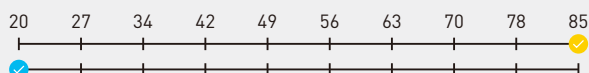
Assist character

Upper and lower max torque

Assist start

Max torque

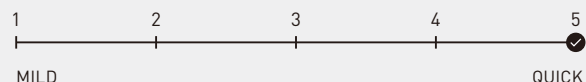
Max torque [N·m] (20 N·m - 85 N·m)



Freely adjust the lowest and highest assist patterns' maximum torque.

Assist start

Assist start (Lv.)



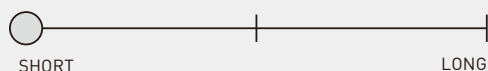
Adjust how quickly assist starts with multiple levels to choose from.

Race-specific firmware update for SHIMANO EP801 systems

Get ready to ride and race like the pros. The most recent firmware update for Shimano's race-winning EP801 drive unit delivers exciting new features and more customization options to help you boost your race speeds and keep the momentum rolling longer through techy terrain.

Assist carry over

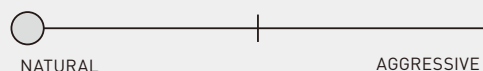
Assist carry over: SHORT



The time that assist function continues after pedaling stops can be selected from one of three levels.

Assist cutoff

Assist cutoff: NATURAL



The timing for starting to weaken the assist output when the speed nears the limit can be selected from one of three levels. If you select AGGRESSIVE (the right side), assist output is maintained until right before the speed limit. If you select NATURAL (the left side), assist output starts to be weakened earlier than the speed limit.

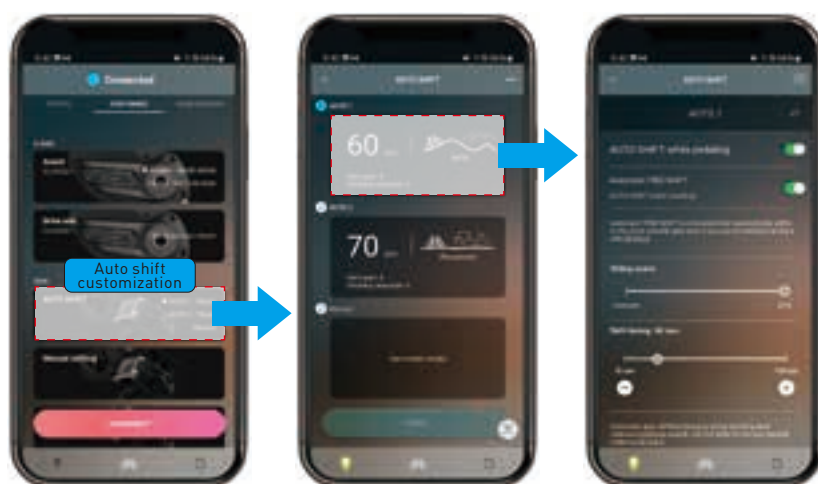
2 AUTO/FREE SHIFT CUSTOMIZATION

Our E-TUBE PROJECT Cyclist App also allows you to customize the shift settings of the new AUTO SHIFT and FREE SHIFT features, creating an e-bike riding experience that is truly yours.

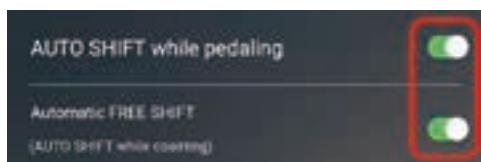
Selecting the AUTO SHIFT mode

You can select [AUTO 1], [AUTO 2], or [MANUAL] as the mode to set.

In the auto customization menu (on the third picture below), rider can turn auto shifting when pedaling and AUTO FREE SHIFT on or off, set the riding scene, adjust the shift timing, and select the "start gear" or "start mode".

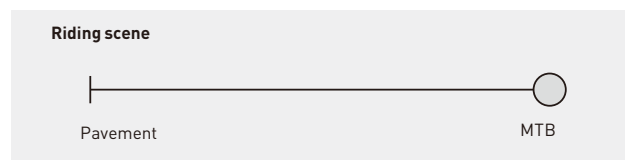


AUTO SHIFT while pedaling Automatic FREE SHIFT



ON / OFF

ADJUST RIDING SCENE



PAVEMENT : AUTO SHIFT is tuned for urban traffic

M T B : AUTO SHIFT responds more rapidly to changes in the trail and is good for active ride

* Available with RD-M8150-12/11.

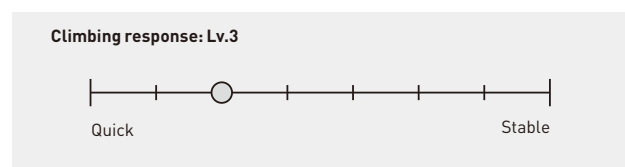
ADJUST SHIFTING TIMING



S L O W E R : Slide left for a slower cadence

F A S T E R : Slide right for a faster cadence

ADJUST CLIMBING RESPONSE



S T A B L E : AUTO SHIFT stability for technical climbing increases from Lv. 4 to 8

Lv.3 is the default AUTO SHIFT responsiveness setting

Q U I C K : Lv.1 and 2 increase AUTO SHIFT responsiveness for climbing

* Available with RD-M8150-11, RD-U6070, RD-U6050 & MU-UR510 [5-speed or 8-speed].

SHIMANO BATTERY PARTNERS

Battery service program for Shimano connected partners provides bike makers with a growing number of battery options to support the development of e-bikes with a wide range of uses. With system capacities ranging from 300 Wh up to a massive 900 Wh, bike makers have tremendous freedom to tailor capacity and form to each bike. We also offer a battery service program for select program members, that simplifies battery servicing with access to Shimano's expansive service network.



Battery service program for Shimano connected partners

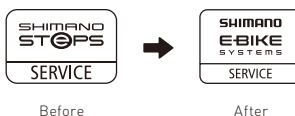


We introduced our battery service program for special service program members (darfon and trend power) to make it easier for dealers and bike brands to handle battery servicing via our extensive Shimano service network.



SHIMANO E-BIKE SYSTEMS SERVICE sticker

Compatible batteries have a special SHIMANO E-BIKE SYSTEMS SERVICE sticker located on the device. Bike dealers can also check the battery's model number in Shimano's E-TUBE PROJECT to confirm program support.



Easy to spec

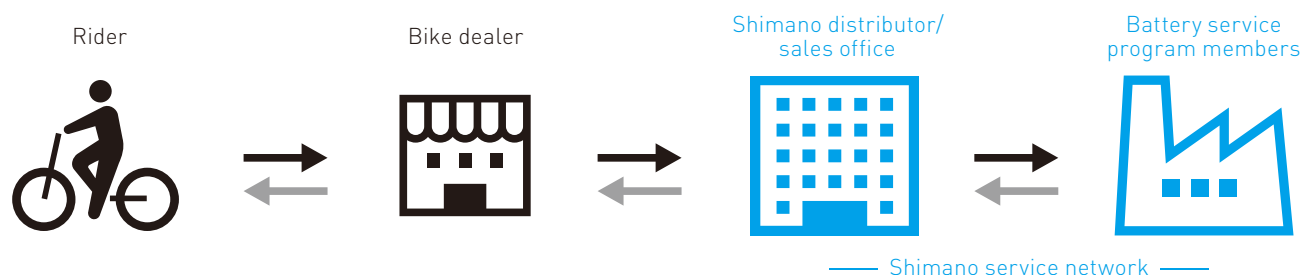
Bike makers can confidently select approved batteries that best match their desired build with the knowledge that they will be covered by our extensive Shimano service network.

Easy to service

Riders with an issue using a covered battery may be able to receive support from their local bike dealer. Using the Shimano service network, dealers can help get their customers back on their bikes as quickly and seamlessly as possible.

Bike dealers already know what to expect from the Shimano service network and will be able to improve their service contact and expect a faster turnaround with a simpler service flow.

Bike brands can also count on Shimano's world-leading service support network with its well-established structure, support history, best practices, and standards.



Easy to spot

Covered batteries can be identified by a special service logo on the device, a unique model number, and an identifier in the E-TUBE PROJECT App.

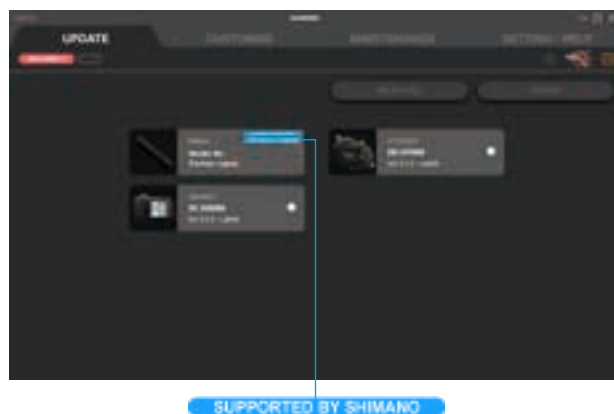
Option A: check the battery

Supported batteries have a special SHIMANO E-BIKE SYSTEMS SERVICE logo on the device.



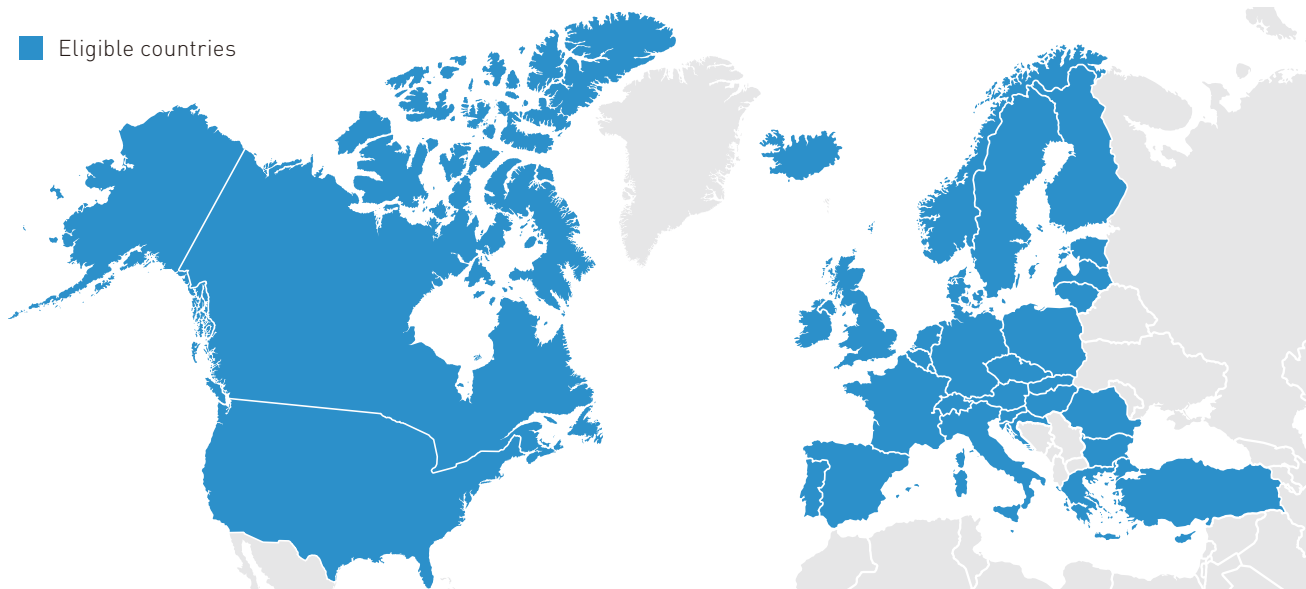
Option B: check E-TUBE PROJECT

Connect the bike to E-TUBE PROJECT for Windows. Supported batteries will have a blue "SUPPORTED BY SHIMANO" icon.



Shimano's battery service program is currently available in these areas

■ Eligible countries



North and Central America

- Canada
- United States of America

Europe

- Andorra
- Austria
- Belgium
- Bulgaria
- Croatia

- Cyprus
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Germany
- Greece
- Hungary
- Iceland

- Ireland
- Italy
- Latvia
- Lithuania
- Luxembourg
- Malta
- The Netherlands
- Norway
- Poland
- Portugal

- Romania
- Slovakia
- Slovenia
- Spain
- Sweden
- Switzerland
- Turkey
- United Kingdom

*SHIMANO E-BIKE SYSTEMS SERVICE is currently available in the EU and North America.

*The service support area of SHIMANO E-BIKE SYSTEMS SERVICE is scheduled to be expanded gradually.

Smart Connect E-TUBE

Shimano E-TUBE connects riders with their bikes through the latest technologies.

Download our free E-TUBE apps to enjoy a more innovative,
convenient, and comfortable experience.



E-TUBE PROJECT

CUSTOMIZABLE SETTINGS OFF THE BIKE

- E-TUBE PROJECT Cyclist is a smartphone application for the customization and maintenance of each unit.
- E-TUBE PROJECT Professional is a Windows application for the customization and maintenance of each unit. Some functions may not be available when connected using the SM-PCE1/SM-BCR2.

Add pleasure to comfortable everyday rides in various riding conditions with customized e-bike settings

- AUTO SHIFT allows the bike to adapt to changing terrain and select the ideal gear for you according to your settings in the app.
- City riding is made easier as the system automatically changes to your preferred gear while stopped, allowing a smooth and comfortable acceleration from intersections.



<https://bike.shimano.com/products/apps/e-tube-project-cyclist.html>

Visit a bike shop to get an accurate picture of your bike's condition, so enjoy riding for a long time to come.

- Evaluate and optimize battery performance based on your unique riding dynamics.
- Receive expert advice on how to manage personalized settings through E-TUBE PROJECT Cyclist.
- Regular scheduled maintenance will allow technicians to analyze system diagnostics and ensure optimum system performance for the life of your machine.





E-TUBE RIDE

FROM A SMARTPHONE TO THE CYCLING COMPUTER ON THE BIKE

Shimano's genuine application E-TUBE RIDE allows you to visualize your ride with a route map to your destination, a real time ride data display, and ride record data on your smartphone while you are on the bike. You can also upload your data to STRAVA. **STRAVA**

Enhance your lifestyle and enjoy new discoveries on everyday rides.

Want to ride somewhere new?
Simply enter your location in the map and you'll be ready to explore!

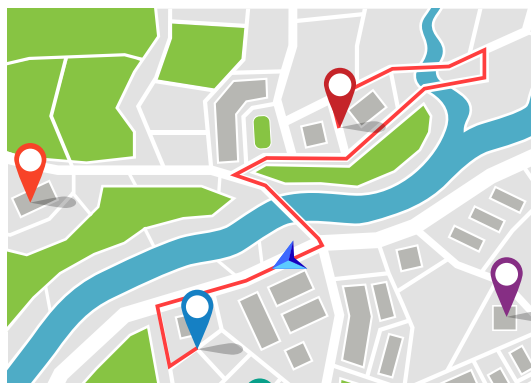


<https://bike.shimano.com/products/apps/e-tube-ride.html>



Enjoy greater peace of mind with the ability to check your bike's status on the go.

- Detailed battery status within the application provides cruising range for worry-free riding.
- Review distance remaining in the map function and optimize your performance according to your needs.
- Running late? Switch to BOOST mode and easily confirm the adjusted cruising range will get you to your destination on time.



Choose Your Riding Style



COMFORT & UTILITY

Hassle-free
commuting and hauling

EP8

CARGO

EP6

CARGO

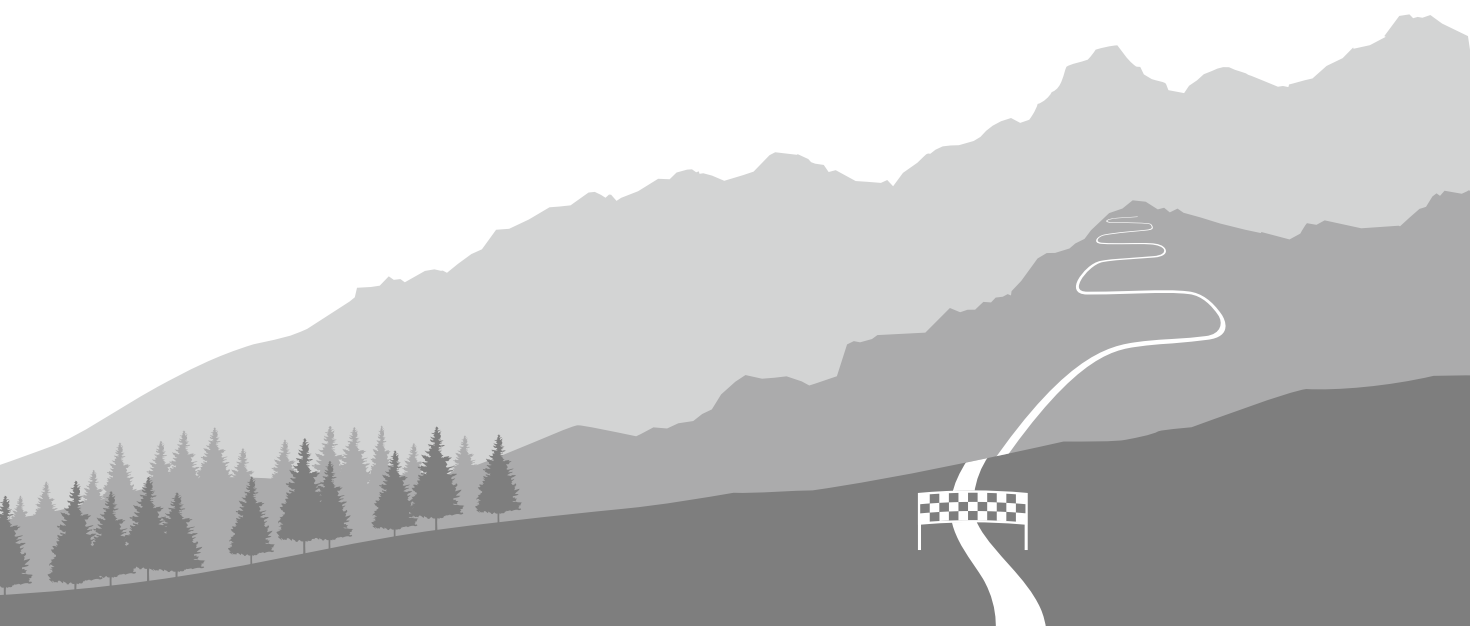
EP5



E5100 Series

E5000 Series





SPORTIVE

Sporty touring
and off-road
adventures

PERFORMANCE

Conquering mountains
and exploring new
trails

EP8



EP6



Browse your favorite bike brands

SHIMANO E-BIKE SYSTEMS come equipped with a wide variety of bike brands. Browse your favorite at <https://bike.shimano.com/category/e-bike.html>



<https://bike.shimano.com/category/e-bike.html>

Customize your ride

SHIMANO E-BIKE SYSTEMS can be easily configured to suit your needs. Ask your dealer about the possibilities. To customize your ride further via Shimano E-TUBE apps, visit e-tubeproject.shimano.com



E-TUBE PROJECT Professional
<https://bike.shimano.com/products/apps/e-tube-project-professional.html>



E-TUBE PROJECT Cyclist
<https://bike.shimano.com/products/apps/e-tube-project-cyclist.html>

Performance & Sportive

EXPLORE NEW GROUNDS

Ready to discover uncharted territory? Built over 40 years of pioneering innovation, our E-MTB systems are designed to let you manoeuvre your bike like a regular mountain bike. Blended harmoniously with the bike frame, the components work in sync to deliver unparalleled performance: powerful enough to tackle that steep, tricky bit of trail, yet intuitive enough to give you just the right amount of support to hit the technical single-tracks with confidence. They allow you to fully focus on what's ahead. So stop thinking and start exploring.

Equipped on 70+ mountainbike brands

You're guaranteed to find the perfect e-MTB to match your body, riding style and personal taste.



SHIMANO E-BIKE SYSTEMS

EP801 PRODUCTS

EP8 | EP801



SHIMANO E-BIKE SYSTEMS

EP600 PRODUCTS

EP6 | EP600



EP8

EP801 series

DU-EP801

**DU-EP801**

EP8 Drive Unit

- » Updated version of DU-EP800 with expanded system connectivity delivers evolved e-MTB performance and even greater value
- » Expanded system capabilities with CAN and ACC ports
- Natural and refined assist delivery from a light, quiet, and more compact motor with less pedaling drag
- New customization options and Finetune Mode with E-TUBE PROJECT
 - » Maximum torque: 85 N·m
 - » Lightweight magnesium body: 2.7 kg
 - » Only compatible with second-generation battery management system (BMS)
 - » US Class 3 compatible
- Delivers more consistent climbing speed and better-than-ever acceleration at higher cadences, which is excellent for pedaling out of corners.
 - » Maximum power output: 600 W

EP6

EP600 series

DU-EP600

**DU-EP600**

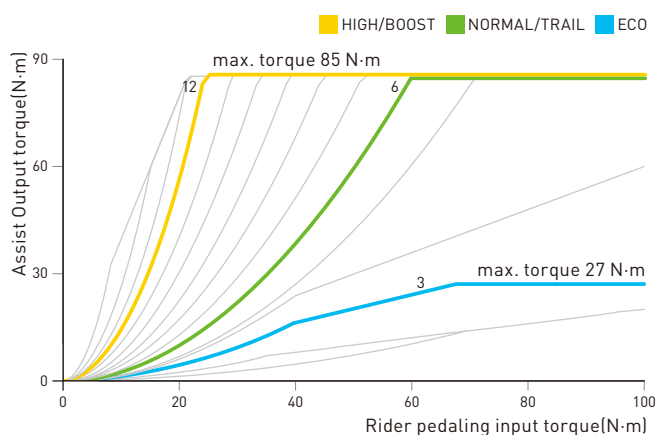
EP6 Drive Unit

- Updated version of DU-EP600 with expanded system connectivity delivers evolved e-MTB performance and even greater value
 - » Expanded system capabilities with CAN and ACC ports
- Natural and refined assist delivery from a light, quiet, and more compact motor with the same low pedaling drag as DU-EP801
- New customization options and Finetune Mode with E-TUBE PROJECT
 - » Maximum torque: 85 N·m
 - » Lightweight aluminum body: 3.0 kg
 - » Only compatible with second-generation battery management system (BMS)
 - » US Class 3 compatible

DRIVE UNIT OUTPUT FEATURE

Motor assist maximum torque/Rider pedaling input torque

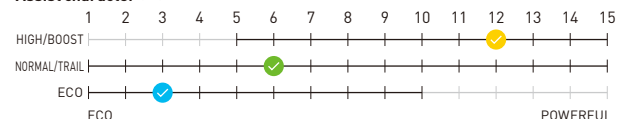
EP801/EP600 Profile 1 (Shimano factory setting: BASIC MODE)(Rear derailleur specification)



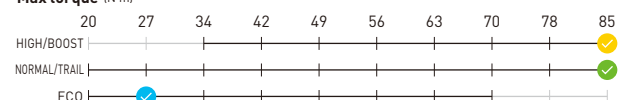
<Details>

✓ HIGH/BOOST ✓ NORMAL/TRAIL ✓ ECO

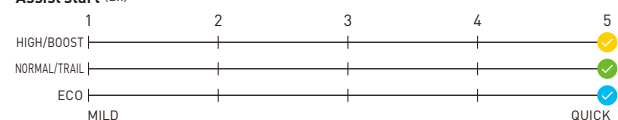
Assist character (Lv.)



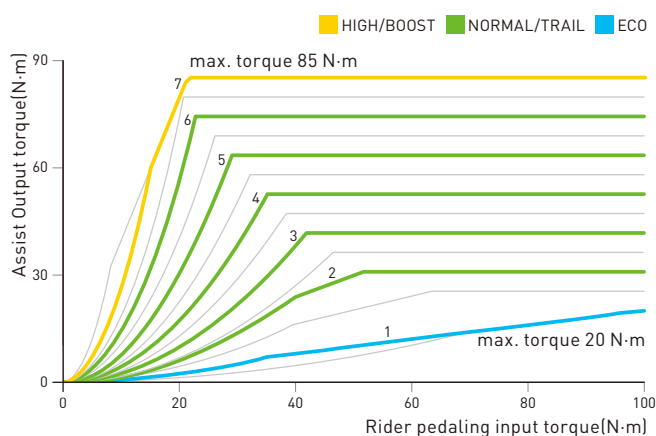
Max torque (N·m)



Assist start (Lv.)



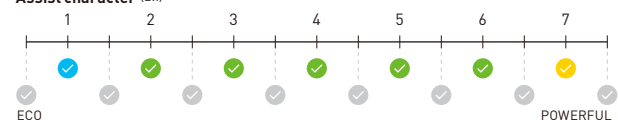
EP801/EP600 Profile 2 (Shimano Factory setting: FINE TUNE MODE)(Rear derailleur specification)



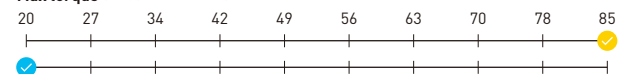
<Details>

✓ HIGH/BOOST ✓ NORMAL/TRAIL ✓ ECO

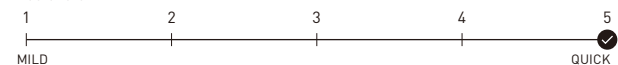
Assist character (Lv.)



Max torque (N·m) [20 N·m - 85 N·m]



Assist start (Lv.)



Note: Default level setting of each mode [BOOST, TRAIL, ECO] may vary depending on the settings chosen by each bike brand.

Technical Specifications

1 DU-EP801

EP8 Drive Unit

- Updated version of DU-EP800 with expanded system connectivity delivers evolved e-MTB performance and even greater value



EP801



EP600

1 DU-EP600

EP6 Drive Unit

- Updated version of DU-EP600 with expanded system connectivity delivers evolved e-MTB performance and even greater value



2 DC-EP801-A

EP8 Drive Unit Cover (Mount Bolt Exposed Type)

- Compact cover

2 DC-EP801-B

EP8 Drive Unit Cover (Mount Bolt Covered Type)

- Large cover



2 DC-EP801-G

EP8 Drive Unit Guard

- Guard cover for drive unit bottom

3 FC-EM900

E-bike HOLLOWTECH Crank Arm Set

- E-MTB dedicated cranks integrate more cleanly



3 FC-EM600

E-bike Crank Arm Set

- Aggressive MTB riding design

3 FC-M8150

SHIMANO DEORE XT HOLLOWTECH E-MTB Crank Arm Set

- New dedicated e-bike cranks integrate more cleanly with SHIMANO DEORE XT logo

4 SM-CRE80-12-SB

Chainring for E-MTB (12-speed)

- DYNAMIC CHAIN ENGAGEMENT+ with teeth shape to prevent chain drop



4 CR-EM800

Chainring 12-speed

- Chain line: 55 mm for O.L.D. 148 mm

4 SM-CRE80-12-B (55 mm, 53 mm)

Chainring 12-speed

- DYNAMIC CHAIN ENGAGEMENT+



4 SM-CRE70-12

Chainring 12-speed

4 SM-CRE80-B (55 mm, 53 mm)

Chainring 10/11-speed

- DYNAMIC CHAIN ENGAGEMENT



4 SM-CRE80/-R**Chainring 10/11-speed**

- Adapt to 142 mm E-THRU O.L.D. along with 50 mm chainline

4 SM-CRE70**Chainring 9/10/11-speed**

- Chainline 50 mm

**4 CD-EM800/
CD-EM800 w/o plate****Chain Device 11/12-speed**

- Helps ensure chain stability and avoid chain drop through rough sections of trail

4 SM-CDE80**Chain Device**

- Chain management

5 SW-M9250-R/SW-M9250-IR **NEW****XTR Di2 Shift Switch**

- Ergonomic evolution: Familiar fit and multi-axis adjustability provide natural-feeling when shifting

5 SW-M8250-R/SW-M8250-IR **NEW****DEORE XT Di2 Shift Switch**

- Ergonomic evolution: Familiar fit and multi-axis adjustability make this SHIMANO's most natural-feeling shifter yet

5 SW-M6250-R/SW-M6250-IR **NEW****DEORE Di2 Shift Switch**

- Ergonomic evolution: Familiar fit and I-SPEC EV adjustability make this SHIMANO's most natural-feeling shifter yet

6 SC-EM800**EP8 Cycle Computer**

- Compact and low-profile MTB design

6 SC-EN600**Cycle Computer**

- Customizable data dashboards let you select four riding metrics per screen with the E-TUBE PROJECT APP

6 SC-EN610**Cycle Computer**

- Customizable data dashboards let you select four riding metrics per screen with the E-TUBE PROJECT APP

5 SC-EN500**Cycle Computer with Assist Switch (SD300 port)**

- Integrated single unit for more attractive and affordable City/Trekking e-bikes

7 BT-EN817-B **NEW****Integrated Battery (712 Wh)**

- Capacity: 712 Wh (36.3 V, 19.6 Ah)

7 BT-EN806-A**Integrated Battery (630 Wh)**

- Capacity: 630 Wh (36 V, 17.5 Ah)

7 BT-EN805-L-A**Integrated Battery (504 Wh)**

- Capacity: 504 Wh (36 V, 14 Ah)

7 BT-EN805-A**Integrated Battery (504 Wh)**

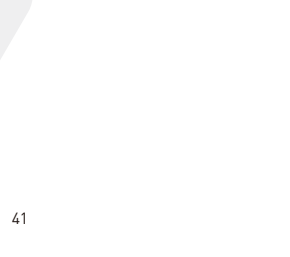
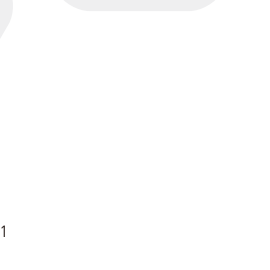
- Capacity: 504 Wh (36 V, 14 Ah)

8 EW-CP100**Satellite Charging Port**

- Compact, semi-integrated frame charging port

9 EW-SW310**Satellite On/Off Switch**

- Pair with SW-EM800 and EW-SW310 for a simple e-MTB cockpit



Drive unit, Drive unit cover, Drive unit guard

EP8

EP801 series



DU-EP801



DU-EP801

EP8 Drive Unit

- » Updated version of DU-EP800 with expanded system connectivity delivers evolved e-MTB performance and even greater value
- » Expanded system capabilities with CAN and ACC ports
- Natural and refined assist delivery from a light, quiet, and more compact motor with less pedaling drag
- New customization options and Finetune Mode with E-TUBE PROJECT
 - » Maximum torque: 85 N-m
 - » Lightweight magnesium body: 2.7 kg
 - » Only compatible with second-generation battery management system (BMS)
 - » US Class 3 compatible
- Delivers more consistent climbing speed and better-than-ever acceleration at higher cadences, which is excellent for pedaling out of corners.
 - » Maximum power output: 600 W



DC-EP801-A
Drive Unit Cover
(Mount Bolt Exposed Type)



DC-EP801-B
Drive Unit Cover
(Mount Bolt Covered Type)



DC-EP801-G
Drive Unit Guard

EP6

EP600 series



DU-EP600



DU-EP600

EP6 Drive Unit

- Updated version of DU-EP600 with expanded system connectivity delivers evolved e-MTB performance and even greater value
- » Expanded system capabilities with CAN and ACC ports
- Natural and refined assist delivery from a light, quiet, and more compact motor with the same low pedaling drag as DU-EP801
- New customization options and Finetune Mode with E-TUBE PROJECT
 - » Maximum torque: 85 N-m
 - » Lightweight aluminum body: 3.0 kg
 - » Only compatible with second-generation battery management system (BMS)
 - » US Class 3 compatible

Drive unit

√=Yes

| Model no. | | DU-EP801 | DU-EP600 |
|---|--------------------------------|--|--|
| Output characteristics | | MTB | MTB |
| Continuous rated power (Watt) | | 250 | 250 |
| Maximum torque (N·m) | | 85 | 85 |
| Compatible brake type | | Disc brake | Disc brake |
| Drive unit chain device | | CD-EM800 SM-CDE80/70 | CD-EM800 SM-CDE80/70 |
| Chain case | | √ | √ |
| Drive unit cover design | | DC-EP801-A/B | DC-EP801-A/B |
| Chain line (mm) | | 50/53/55/56.5 | 50/53/55/56.5 |
| Maximum support bike speed | 25 km/h | √ | √ |
| | 20 mph | √ | √ |
| | 28 mph | √ US Class3 (comply with California) only | √ US Class3 (comply with California) only |
| | Adjustment | - | - |
| Assist mode | | Boost, trail, eco High, normal, eco | Boost, trail, eco High, normal, eco |
| Walk assist function* | On/off (Set by E-TUBE PROJECT) | √ | √ |
| | Intelligent | √ (In case of Di2) | √ (In case of Di2) |
| | Quick | √ | √ |
| Power supply for front light/rear light | | DC 12 V | DC 12 V |
| Maximum current supply front and rear light total (A) | | 2.0 | 2.0 |
| Power supply and maximum current for ACC | | 13.5 V DC/2.0 A | 13.5 V DC/2.0 A |
| Power supply and maximum current for CAN port | | 12 V DC/2.0 A | 12 V DC/2.0 A |
| Safe way home function | | √ | √ |
| Port for speed sensor (1 pc) | | SD300 type | SD300 type |
| Torque sensor | | √ | √ |
| Crank arm position sensor | | √ | √ |
| Bike speed sensor | | EW-SS300/SS301/SS302 | EW-SS300/SS301/SS302 |
| Cadence sensor | | √ | √ |
| Weight (kg) w/o cover | | 2.7 | 3.0 |

Drive unit cover, Drive unit guard

√=Yes

| Model no. | | DC-EP801-A | DC-EP801-B | DC-EP801-G |
|---------------------------|--------|------------|------------|------------|
| Cover | Right | - | - | - |
| | Left | √ | √ | - |
| | Bottom | - | - | √ |
| Available DU angle (deg.) | | 0 - 60 | 0 - 60 | 0 - 60 |
| Note | | - | - | - |

* The walk assist mode function may not be able to be used in certain regions. (Singapore, Brazil)

Cycle computer



SC-EM800
Cycle Computer



SC-EN610
Cycle Computer



SC-EN600
Cycle Computer

√=Yes

| Model no. | | SC-EM800 | SC-EN610 | SC-EN600 | SC-EN500 | SC-E7000 |
|---|-----------------------|--------------------------|--------------------|--------------------|--------------------|--------------------------|
| Battery management system compatibility | 2nd gen. | √ | √ | √ | √ | - |
| | 1st gen. | *√ | - | - | - | √ |
| Mount position | Center on handlebar | - | √ | - | - | - |
| | Right on handlebar | √ | - | √ | - | √ |
| | Others | - | - | *√ | *√ | - |
| Wireless system | | ANT private Bluetooth®LE | - | - | - | ANT private Bluetooth®LE |
| E-TUBE port | | SD300 type (4 pcs) | SD300 type (3 pcs) | SD300 type (3 pcs) | SD300 type (1 pcs) | SD50 type (4 pcs) |
| Back light | | √ | √ | √ | √ | √ |
| LCD size (inch) | | 1.6 | 2.8 | 1.6 | 1.4 | 1.39 |
| Beep | | √ | √ | - | - | √ |
| Display detachable | | - | √ | - | - | - |
| Display fixation | | √ | - | √ | √ | √ |
| Display change button | | √ | - | - | √ | √ |
| Assist mode change (w/o switch unit) | | √ | - | - | √ | √ |
| Reset button | | - | - | - | - | - |
| Inside battery | | √ | - | - | - | √ |
| System on/off button | | - | - | - | √ | - |
| Light on/off button | | - | - | - | √ | - |
| Assist up/down button | | - | - | - | √ | - |
| Auto start & auto stop | | - | - | - | - | - |
| Contents of display | Clock | √ | √ | √ | - | √ |
| | Assist mode display | √ | √ | √ | √ | √ |
| | Assist on/off | √ | √ | √ | - | √ |
| | Walk mode display* | √ | √ | √ | √ | √ |
| | Battery charge level | √ | √ | √ | √ | √ |
| | Light condition | √ | √ | √ | - | - |
| | Current speed | √ | √ | √ | √ | √ |
| | Gear position display | **√ | √ | √ | √ | √ |
| | Start mode | - | √ | √ | - | √ |
| | Automatic shift mode | **√ | √ | √ | √ | √ |
| | Maximum speed | √ | √ | √ | - | **√ |
| | Average speed | √ | √ | √ | - | **√ |
| | Trip distance | √ | √ | √ | √ | √ |
| | Trip time | √ | √ | √ | - | **√ |
| | Odometer | √ | √ | √ | √ | √ |

* The walk assist mode function may not be able to be used in certain regions. (Singapore, Brazil)



SC-EN500
Cycle Computer with Assist Switch
(SD300 port)



SC-E7000
Cycle Computer
D-FLY **Bluetooth**
ANT

√=Yes

| Model no. | | SC-EM800 | SC-EN610 | SC-EN600 | SC-EN500 | SC-E7000 |
|---------------------|------------------------------------|--|--|---|---|---|
| Contents of display | Estimated range | √ | √ | √ | √ | √ |
| | Range overview | √ | - | - | - | - |
| | Assist power indicator | √ | √ | √ | - | - |
| | Error message | √ | √ | √ | √ | √ |
| | Cadence (rpm) | √ | √ | √ | - | ** √ |
| | Shifting advice | - | - | - | - | - |
| | Maintenance alert | √ | √ | √ | *** √ | √ |
| | Bluetooth®LE connection status | √ | √ | √ | - | √ |
| | Assist profile | - | √ | - | - | - |
| Setting menu | Trip distance reset | √ | √ | √ | √ | √ |
| | Odometer reset | √ | - | - | - | - |
| | Setting clear | √ | √ | √ | - | - |
| | Clock adjustment | √ | √ | √ | - | √ |
| | Start mode | - | √ | √ | *** - | √ |
| | Shifting advise | - | √ | - | - | - |
| | Back light on/off | √ | √ | √ | *** - | - |
| | Light on/off | *** √ | √ | √ | *** - | √ |
| | Back light brightness | √ | √ | √ | - | - |
| | Beep on/off | √ | √ | - | - | √ |
| | Unit (km/mile) | √ | √ | √ | ** √ | √ |
| | Font color | - | - | - | - | √ |
| | Adjusting for shift | ** √ | √ | √ | *** - | * √ |
| | Adjusting for auto shift timing | - | √ | - | *** - | * √ |
| | RD protection reset | ** √ | - | - | - | * √ |
| | Bluetooth®LE pairing | √ | √ | √ | - | √ |
| | Bluetooth®LE/ANT connection status | - | - | - | - | - |
| | Assist customize | √ | - | - | - | - |
| Language | | English/german/dutch/ french/spanish/italian | English/german/dutch/ french/spanish/italian | English/german/dutch/ french/spanish/italian | English | English/german/dutch/ french/spanish/italian |
| Note | | 2 spec of clamp band diameter 31.8 and 35.0 mm. * Need to update new firmware ** In case of Di2 *** In combination with assist mode switch | Handlebar diameter: 25.4, 31.8 and 35.0 mm [3 spec] Display contents are customized by E-TUBE PROJECT | 2 spec of clamp band diameter 31.8 and 35.0 mm. * Integrated specification display contents are customized by E-TUBE PROJECT | * Left on handlebar (normal specification and I-SPEC EV specification) ** Setting by E-TUBE PROJECT *** Drive unit setting by E-TUBE PROJECT | * In case of SEIS ** Option by E-TUBE PROJECT |

Switch unit



SW-EM800-L
Left Switch Unit for Assist



SW-EN600-L
Left Switch Unit for Assist

 **Bluetooth**  **ANT**



SW-EN600-R
Right Switch Unit for Shifting

Di2
DIGITAL INTEGRATED INTELLIGENCE



SW-E7000-L
Left Switch Unit for Assist



SW-E7000-R
Right Switch Unit for Di2 Shifting

Di2
DIGITAL INTEGRATED INTELLIGENCE

Switch unit

√=Yes

| Model no. | | SW-EM800-L | SW-EN600-L | SW-EN600-R |
|---|-----------------|---|------------|---------------------------------|
| Battery management system compatibility | 2nd gen. | √ | √ | √ |
| | 1st gen. | *√ | - | - |
| Usage | | For assist | For assist | For SEIS shift |
| Electric wire removable | | √ | √ | √ |
| Firmware update by E-TUBE PROJECT | | √ | √ | √ |
| Electric wire port | SD50 type (pc) | 0 | - | - |
| | SD300 type (pc) | 1 | 1 | 1 |
| Electric wire connector | SD50 type (pc) | 0 | - | - |
| | SD300 type (pc) | 0 | - | - |
| Assist mode change | | √ | √ | - |
| Display change | | - | √ | - |
| Automatic/manual change | | - | - | √ |
| Light on-off | | - | √ | - |
| Multiple input | 2 step | - | - | - |
| | Hold | **√ | - | *√ |
| Note | | * Need to update new firmware ** Set by E-TUBE PROJECT | - | * Available for rear derailleur |

√=Yes

| Model no. | | SW-E7000-L | SW-E7000-R |
|---|-----------------|-------------------------|---------------------------------|
| Battery management system compatibility | 2nd gen. | - | - |
| | 1st gen. | √ | √ |
| Usage | | For assist | For SEIS shift |
| Electric wire removable | | - | - |
| Firmware update by E-TUBE PROJECT | | √ | √ |
| Electric wire port | SD50 type (pc) | 0 | 0 |
| | SD300 type (pc) | 0 | 0 |
| Electric wire connector | SD50 type (pc) | 1 | 1 |
| | SD300 type (pc) | 0 | 0 |
| Assist mode change | | √ | - |
| Display change | | - | - |
| Automatic/manual change | | - | √ |
| Light on-off | | *√ | - |
| Multiple input | 2 step | - | - |
| | Hold | *√ | *√ |
| Note | | * Set by E-TUBE PROJECT | * Available for rear derailleur |

Shifting switch



SW-M9250-R **NEW**
Di2 Shifting Switch
Di2
DIGITAL INTEGRATED INTELLIGENCE



SW-M9250-IR **NEW**
Di2 Shifting Switch
Di2
DIGITAL INTEGRATED INTELLIGENCE



SW-M8250-R **NEW**
Di2 Shifting Switch
Di2
DIGITAL INTEGRATED INTELLIGENCE



SW-M8250-IR **NEW**
Di2 Shifting Switch
Di2
DIGITAL INTEGRATED INTELLIGENCE



SW-M8150-R
Di2 Shifting Switch
Di2
DIGITAL INTEGRATED INTELLIGENCE



SW-M8150-IR
Di2 Shifting Switch
Di2
DIGITAL INTEGRATED INTELLIGENCE



SW-M6250-R **NEW**
Di2 Shifting Switch
Di2
DIGITAL INTEGRATED INTELLIGENCE



SW-M6250-IR **NEW**
Di2 Shifting Switch
Di2
DIGITAL INTEGRATED INTELLIGENCE



SW-EN605-R
Di2 Shifting Switch
Di2
DIGITAL INTEGRATED INTELLIGENCE

Shifting switch

| | | NEW | NEW | NEW | NEW | √=Yes |
|-----------------------------------|---------------------------|---------------------------|---|---|---|---|
| Series | | XTR | XTR | DEGRE XT | DEGRE XT | SHIMANO DEGRE XT |
| Model no. | | SW-M9250-R | SW-M9250-IR | SW-M8250-R | SW-M8250-IR | SW-M8150-R |
| Position | | Clamp band | I-SPEC EV | Clamp band | I-SPEC EV | Clamp band |
| Di2 connectivity wired | Di2 shifting | - | - | - | - | √ |
| Di2 connectivity wireless | Di2 shifting | √ | √ | √ | √ | - |
| Button numbers (pcs) | | 3 | 3 | 3 | 3 | 3 |
| Master unit | | - | - | - | - | - |
| Firmware update by E-TUBE PROJECT | | - | - | - | - | √ |
| SD50 port (pcs) | | 0 | 0 | 0 | 0 | 0 |
| SD300 port (pcs) | | 0 | 0 | 0 | 0 | 1 |
| SD50 connector (pcs) | | 0 | 0 | 0 | 0 | 0 |
| SD300 connector (pcs) | | 0 | 0 | 0 | 0 | 0 |
| Switch1 Switch2 | Default function | | RD outward (Switch1) RD inward (Switch2) | RD outward (Switch1) RD inward (Switch2) | RD outward (Switch1) RD inward (Switch2) | RD outward (Switch1) RD inward (Switch2) |
| | Multiple input | 2 step | √ | √ | √ | - |
| | | Hold | √ | √ | √ | √ |
| | Adjustable lever position | | Forward/backward, upward/downward | Forward/backward, upward/downward | Forward/backward, upward/downward | Forward/backward, upward/downward |
| Switch3 | Default function | | Shifting/Adj. mode | Shifting/Adj. mode | Shifting/Adj. mode | Auto on/off |
| | Multiple input | 2 step | - | - | - | - |
| | | Hold | √ | √ | √ | √ |
| | Adjustable lever position | | Forward/backward, upward/downward | Forward/backward, upward/downward | Forward/backward, upward/downward | Forward/backward, upward/downward |
| Suspension switch | | - | - | - | - | - |
| Battery | | CR1632 × 2 | CR1632 × 2 | CR1632 × 2 | CR1632 × 2 | - |
| LED | Shimano system status | | √ | √ | √ | - |
| Note | | Adjustable lever position | Adjustable lever position | Adjustable lever position | Adjustable lever position | Adjustable lever position |

| | | NEW | NEW | NEW | √=Yes |
|-----------------------------------|---------------------------|---------------------------|---|---|---|
| Series | | DEGRE XT | DEGRE | DEGRE | SHIMANO |
| Model no. | | SW-M8150-IR | SW-M6250-R | SW-M6250-IR | SW-EN605-R |
| Position | | I-SPEC EV | Clamp band | I-SPEC EV | Clamp band |
| Di2 connectivity wired | Di2 shifting | √ | - | - | - |
| Di2 connectivity wireless | Di2 shifting | - | √ | √ | √ |
| Button numbers (pcs) | | 3 | 3 | 3 | 3 |
| Master unit | | - | - | - | - |
| Firmware update by E-TUBE PROJECT | | √ | - | - | √ |
| SD50 port (pcs) | | 0 | 0 | 0 | 0 |
| SD300 port (pcs) | | 1 | 0 | 0 | 0 |
| SD50 connector (pcs) | | 0 | 0 | 0 | 0 |
| SD300 connector (pcs) | | 0 | 0 | 0 | 0 |
| Switch1 Switch2 | Default function | | RD outward (Switch1) RD inward (Switch2) | RD outward (Switch1) RD inward (Switch2) | RD outward (Switch1) RD inward (Switch2) |
| | Multiple input | 2 step | - | - | - |
| | | Hold | √ | √ | √ |
| | Adjustable lever position | | √ | - | - |
| Switch3 | Default function | | Auto on/off | Shifting/Adj. mode | Shifting Mode |
| | Multiple input | 2 step | - | - | - |
| | | Hold | √ | √ | √ |
| | Adjustable lever position | | √ | - | - |
| Suspension switch | | - | - | - | - |
| Battery | | - | CR1632 × 2 | CR1632 × 2 | CR1632 × 2 |
| LED | Shimano system status | | √ | √ | √ |
| Note | | Adjustable lever position | | | Fixed button position |

Crank arm



FC-M8150
HOLLOWTECH E-MTB Crank Arm Set



FC-EM900
HOLLOWTECH E-MTB Crank Arm Set

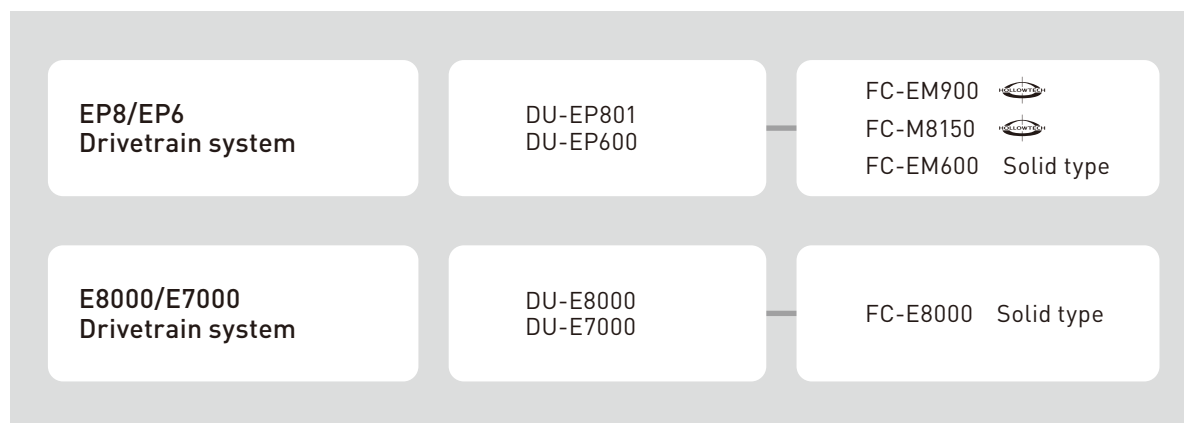


FC-EM600
E-MTB Crank Arm Set



FC-E8000
E-MTB Crank Arm Set

E-bike crank arm and drive unit compatibility



Chain device



CD-EM800 (56.5, 55, 53 mm)
Chain Device



CD-EM800 w/o plate (55 mm)
Chain Device





SM-CDE80
Chain Device



SM-CDE70
Chain Device

Crank arm

√=Yes

| Brand | |  | SHIMANO | SHIMANO | SHIMANO |
|-----------------------|---|---|----------------------|----------------------|---|
| Model no. | | FC-M8150 | FC-EM900 | FC-EM600 | FC-E8000 |
| Crank arm type |  | √ | √ | - | - |
| | Solid | - | - | √ | √ |
| Q factor (mm) | | 177 | 177 | 177 | 177, 180* |
| BB type | | 24 mm axle serration | 24 mm axle serration | 24 mm axle serration | 24 mm axle serration |
| Crank arm length (mm) | 160 mm | √ | √ | √ | √ |
| | 165 mm | √ | √ | √ | √ |
| | 170 mm | √ | √ | √ | √ |
| | 175 mm | √ | √ | √ | √ |
| Compatible drive unit | | EP801/EP600/EP800 | EP801/EP600/EP800 | EP801/EP600/EP800 | E8000/E7000/E6100/E6110 |
| Note | | - | - | - | * In case with DU-E6100/E6110/E6180/E7000 |

Chain device

√=Yes

| Model no. | | CD-EM800 | CD-EM800 w/o plate | SM-CDE80 | SM-CDE70 |
|-----------------------------|----------|---|--|---|--|
| Chain line (mm) | 56.5 | √ | √ | - | - |
| | 55 | √ * | √ | - | - |
| | 53 | √ | √ | √ (w/ plate type) √ (w/o plate type) | √ |
| | 50 | - | - | - (w/ plate type) √ (w/o plate type) | - |
| Chain compatibility | 12-speed | √ | √ | √ | √ |
| | 11-speed | √ | √ | √ | √ |
| | 10-speed | - | - | √ | √ |
| | 9-speed | - | - | - | √ |
| Top gear teeth | 38T | √ | - | √ | √ |
| | 36T | √ | - | √ | √ |
| | 34T | √ | - | √ | √ |
| | 32T | - | √ | - | - |
| | 30T | - | √ | - | - |
| Assumed rear sprocket teeth | 11-36T | - | - | √ | √ |
| | 11-40T | √ | √ | √ | √ |
| | 11-42T | √ | √ | √ | √ |
| | 11-46T | √ | √ | √ | √ |
| | 11-50T | √ | √ | - | - |
| | 10-45T | √ | √ | √ | √ |
| | 10-51T | √ | √ | √ | √ |
| | Others | - | - | - | - |
| Direct mount to drive unit | | √ | - | √ (w/ plate type) - (w/o plate type) | √ |
| Compatible drive unit | | DU-EP801, DU-EP800, DU-EP600, DU-E8000, DU-E8080, DU-E7000 | DU-EP801, DU-EP800, DU-EP600, DU-E8000, DU-E8080, DU-E7000 | DU-EP800, DU-E8000, DU-E8080, DU-E7000 | DU-EP800, DU-E8000, DU-E8080, DU-E7000 |
| Rear suspension stroke (mm) | | 0 - 170 | 0 - 170 | 0 - 170 | 0 - 170 |
| Note | | w/ plate * Need special CD-EM800 only for 55 mm chain line | w/o plate | w/ plate, w/o plate type are available | w/ plate |

Chainring



SM-CRE80-12-SB
Chainring (34T)



CR-ET600
Chainring w/ Chain Guard (44T)



CR-EM800
Chainring (32T)



SM-CRE70-12
Chainring w/ Chain Guard (42T)



SM-CRE80-12-B
Chainring (34T)




SM-CRE80
Chainring w/ Chain Guard (44T)




Chainring

√=Yes

| Speed | | 12-speed | | | | | 10/11-speed | | |
|--|---------|----------|----------------|---------------|---------------|-------------|-------------|------------------------|--------------|
| Model no. | | CR-EM800 | SM-CRE80-12-SB | SM-CRE80-12-B | SM-CRE70-12-B | SM-CRE70-12 | SM-CRE80-B | SM-CRE80-R | SM-CRE80 |
| Chain line | 56.5 mm | - | √ | - | - | - | - | - | - |
| | 55 mm | √ | - | √ | √ | - | √ | - | - |
| | 53 mm | - | - | √ | √ | - | √ | - | - |
| | 50 mm | - | - | - | - | √ | - | √ | √ |
| Chainring teeth | 32T | √ | - | - | - | - | - | - | - |
| | 34T | - | √ | √ | - | - | √ | - | √ |
| | 36T | - | √ | √ | √ | - | - | - | - |
| | 38T | - | - | √ | - | - | √ | - | √ |
| | 42T | - | - | - | - | √ | - | - | - |
| | 44T | - | - | - | - | - | - | - | √ |
| | 47T | - | - | - | - | - | - | √ | - |
|  DYNAMIC CHAIN ENGAGEMENT | | √ | √ | √ | - | - | √ | - | √ (38T, 34T) |
| Chainring material | | Steel | Steel | Steel | Steel | Steel | Steel | Aluminum | Steel |
| Chain guard type | Double | - | - | - | - | √ | - | - | √* |
| | Single | - | - | - | - | - | - | - | - |
| | w/o CG | √ | √ | √ | √ | - | √ | √ | √ |
| Chain device compatible | | √ | √ | √ | √ | - | √ | SM-CDE80 (frame mount) | √ |
| Chain case compatible | | - | - | - | - | - | - | - | - |

√=Yes

| Speed | | 9/10/11-speed | | |
|--|---------|---------------|-----------------------------|------------|
| Model no. | | CR-ET600 | SM-CRE70 | SM-CRE70-B |
| Chain line | 56.5 mm | - | - | - |
| | 55 mm | - | - | √ |
| | 53 mm | - | - | √ |
| | 50 mm | √ | √ | - |
| Chainring teeth | 32T | - | - | - |
| | 34T | - | - | √ |
| | 36T | - | - | - |
| | 38T | √ | √ | - |
| | 42T | - | - | - |
| | 44T | √ | - | - |
| | 47T | - | - | - |
|  DYNAMIC CHAIN ENGAGEMENT | | - | - | - |
| Chainring material | | Steel | Steel | Steel |
| Chain guard type | Double | √ | √ | - |
| | Single | √ | - | - |
| | w/o CG | √ | √ | √ |
| Chain device compatible | | - | √ w/o CG, w/o back plate | √ |
| Chain case compatible | | √ | - | - |

SHIMANO E-BIKE SYSTEMS
JUST LIKE A REGULAR BIKE

Comfort & Utility





EASY RIDER

Say goodbye to crowded trains or trams and glide past queues of cars at the traffic lights, effortlessly taking off when they turn green. Or explore the great outdoors and rediscover nature – without worrying about hills or headwinds. The refined power assistance gives you the same natural riding feeling as a regular bike but will keep you cool and ensure you arrive at your destination on time – fresh and de-stressed.

SHIMANO E-BIKE SYSTEMS

EP500 PRODUCTS

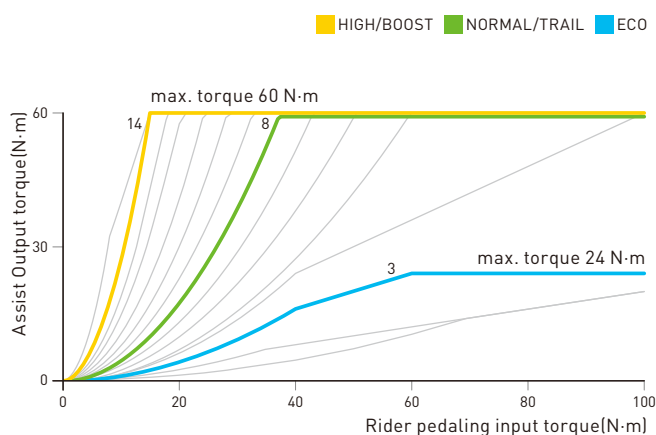
EPS | EP500



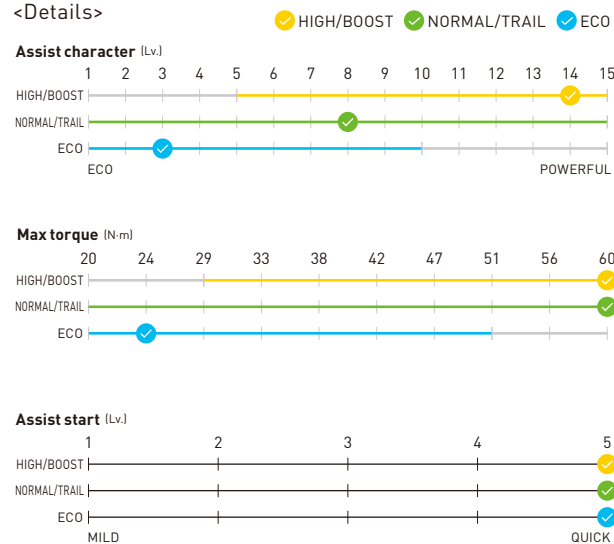
DRIVE UNIT OUTPUT FEATURE

Motor assist maximum torque/Rider pedaling input torque

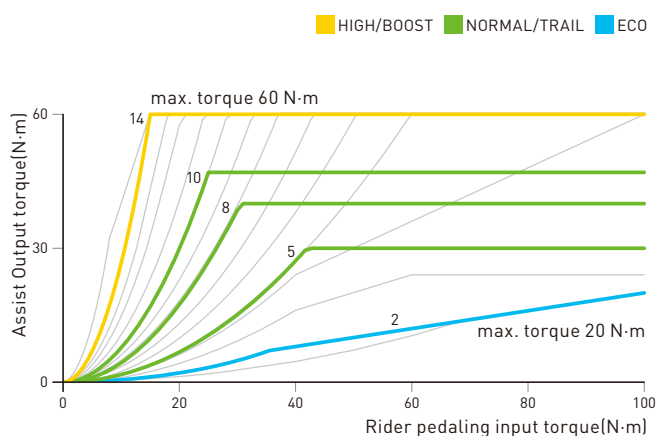
EP500 Profile 1 (Shimano factory setting: BASIC MODE)(Rear derailleur specification)



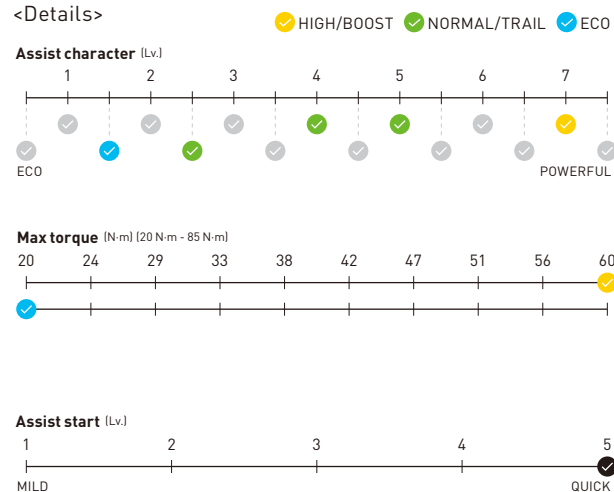
<Details>



EP500 Profile 2 (Shimano Factory setting: FINE TUNE MODE)(Rear derailleur specification)



<Details>



Note: Default level setting of each mode [BOOST, TRAIL, ECO] may vary depending on the settings chosen by each bike brand.

SHIMANO
E-BIKE
SYSTEMS | E5100



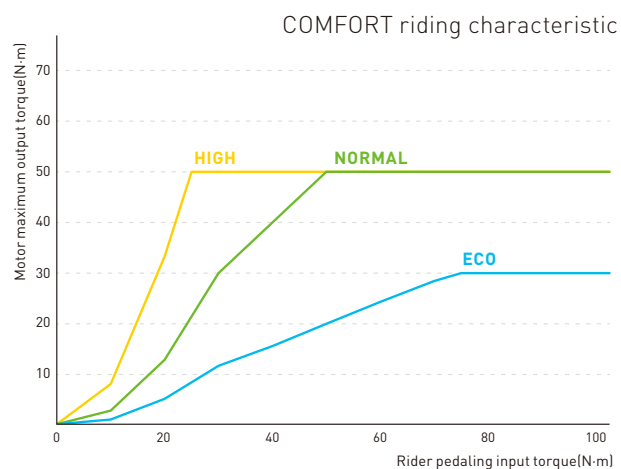
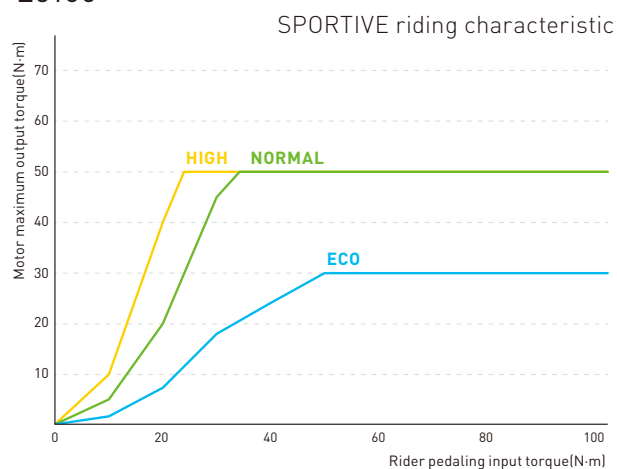
SHIMANO
E-BIKE
SYSTEMS | E5000



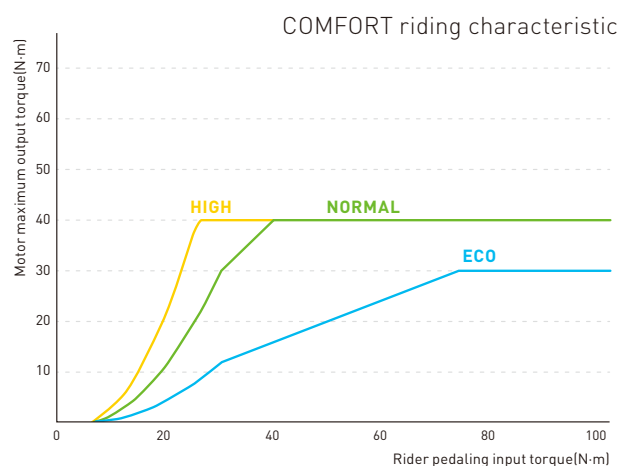
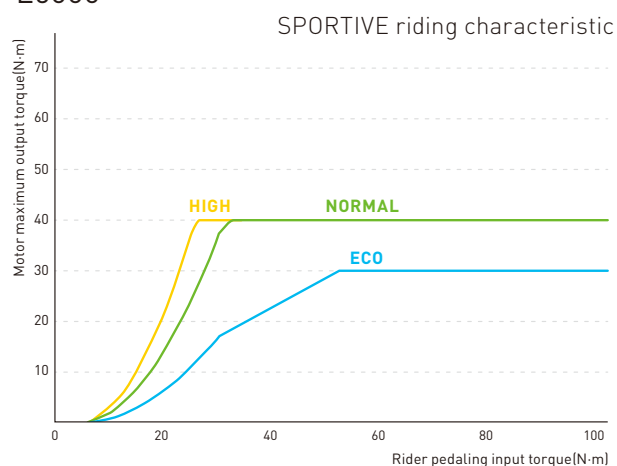
DRIVE UNIT OUTPUT FEATURE

Motor assist maximum torque/Rider pedaling input torque

E5100



E5000



Assist characteristics variation set by E-TUBE PROJECT application

| Model | | E5100 | | E5000 | |
|--|--------|----------|---------|----------|---------|
| Riding characteristic level [* Set by E-TUBE PROJECT] | | Sportive | Comfort | Sportive | Comfort |
| Maximum torque | | 50 N·m | 50 N·m | 40 N·m | 40 N·m |
| Power | | 500 W | 500 W | 420 W | 420 W |
| Assist mode | HIGH | 300% | 250% | 200% | 200% |
| | NORMAL | 150% | 100% | 125% | 100% |
| | ECO | 60% | 40% | 60% | 40% |

Technical Specifications

1 DU-EP500

EP500 Drive Unit

- Compact, powerful, and whisper-quiet motor with seamlessly refined assist for a natural riding experience



EP500

1 DU-E5100

E5100 Drive Unit

- Light, quiet, and compact motor for a smooth and natural ride quality



E5100

1 DU-E5000

Drive Unit for V-BRAKE, Roller Brake, Disc Brake, Coaster Brake

- Easy to access cable terminal without removing chainring and chain case



E5000

2 SM-CRE50

Chainring

- Symmetric and narrower Q-factor design than current E6000 series



E5000

3 FC-EN500

Crank Arm Set

- Dedicated e-bike cranks that offer optimized pedaling experiences for a wide range of riding styles



EN500

3 FC-E5000

E-bike Crankset

- Normalization and unification of chain line for various system



E5000

4 SW-E7000

Left Switch Unit for Assist/Right Switch Unit for SEIS Shift

- Easy, simple operation



4 SW-E6010

Left Switch Unit for Assist/Right Switch Unit for SEIS Shift

- Attractive styling





5 SC-E6100

Cycle Computer

- Assist mode



5 SC-E5000

Cycle Computer with Assist Switch

- Unified switch and display



6 EW-EN100

Junction A for E-bike

- Assist mode (w/o cycle computer)



7 BT-E8020

Integrated Type Battery for Down Tube (504 Wh)

- MTB dedicated design



8 BT-E8010-A/BT-E8014-A

Battery for Down Tube (504 Wh)/(418 Wh)

- MTB dedicated design



9 BT-E6001-A

Battery for Rear Carrier (504 Wh)

- Capacity: 504Wh (36V, 14Ah)



9 BT-E6000-A

Battery for Rear Carrier (418 Wh)

- Capacity: 418Wh (36V, 11.6Ah)



10 SG-C7000

E-bike Dedicated Mechanical Internal Geared Hub Coaster Brake 5-speed

- E-BIKE dedicated IHG



10 SG-C7050

E-bike Dedicated Di2 Internal Geared Hub Disc Brake 5-speed

- Integrated drivetrain and assist

Drive unit, Drive unit cover

EP5

EP500 series



DU-EP500

DU-EP500

EP500 Drive Unit

- Compact, powerful, and whisper-quiet motor with seamlessly refined assist for a natural riding experience
 - » Maximum torque: 60 N·m
 - » Compatible with V-BRAKE, disc brake, roller brake and coaster brake
 - » Exclusive compatibility with our second-generation battery management system (BMS) via EW-SD300
- Intelligent core technologies elevate user experiences with smarter functionality
 - » AUTO SHIFT enhances cruising enjoyment with a consistent pace and intensity decided by the rider
- Make it yours with E-TUBE PROJECT
 - » Set up to 15 unique assist characters with FINE TUNE MODE
 - » Customize assist character, maximum torque, and assist start in BASIC MODE
 - » US Class 3 compatible



DC-EP801-A
Drive Unit Cover
(Mount Bolt Exposed Type)



DC-EP801-B
Drive Unit Cover
(Mount Bolt Covered Type)



DC-EP801-G
Drive Unit Guard

E5100 Series



DU-E5100

DU-E5100

E5100 Drive Unit

- Light, quiet, and compact motor for a smooth and natural ride quality
 - » Maximum torque: 50 N·m
 - » Maximum output power: 500 W
 - » Lightweight aluminum body: 2.4 kg
 - » Compatible with V-BRAKE, disc brake, roller brake and coaster brake
 - » Compatible with our first-generation battery management system (BMS) with EW-SD50
 - » Personalize in the E-TUBE PROJECT App

E5000 series



DU-E5000
Drive Unit for V-BRAKE, Roller Brake,
Disc Brake, Coaster Brake




SM-DUE50-T
Drive Unit Cover for Trekking



SM-DUE50-C
Drive Unit Cover for City

Drive unit

√=Yes

| Model no. | | DU-EP500 | DU-E5100 | DU-E5000 |
|--|---|--|--|--|
| Output characteristics | | City/Trekking | City/Trekking | City/Trekking |
| Maximum rated power (Watt) | | 250 | 250 | 250 |
| Maximum torque (N·m) | | 60 | 50 | 40 |
| Maximum power output (W) | | 500 | 500 | 420 |
| Compatible brake type | | V-BRAKE, roller brake, disc brake, coaster brake | V-BRAKE, roller brake, disc brake, coaster brake | V-BRAKE, roller brake, disc brake, coaster brake |
| Compatible BB type | | 24 mm narrow | Square type | Square type |
| Cable connector | | Left side | Left side | Left side |
| Drive unit chain device | | √ | - | - |
| Chain case | | √ | √ | √ |
| Drive unit cover design | | DC-EP801-A/B | SM-DUE50-T/C | SM-DUE50-T/C |
| Chain line (mm) | | 50/53/55/56.5 | 46.5 | 46.5 |
| Q-factor | | 177/178 mm | 185 mm | 185 mm |
|  compatible | INTER-11 | √ | √ | √ |
| | INTER-8 | √ Automatic available | √ Automatic available | √ Automatic available |
| | INTER-7 | √ | √ | √ |
| | INTER-5 | √ Automatic available | √ Automatic available | √ Automatic available |
| | Deraillleur type | √ Automatic available * | √ | √ |
| Maximum support bike speed | 25 km/h | √ | √ | √ |
| | 20 mph | √ | √ | √ |
| | 28 mph | √ | - | - |
| | Adjustable (15 km-25 km, 12-20 mph setting by E-TUBE PROJECT) | - | - | √ |
| Assist mode | | Boost, trail, eco High, normal, eco | High, normal, eco | High, normal, eco |
| Walk assist function* | On/off (Set by E-TUBE PROJECT) | √ | √ | √ |
| | Intelligent | √ | √ | √ (Only in combination with Di2) |
| | Quick | √ | √ | √ |
| Power supply for front light/rear light | | DC 12 V | DC 12 V | DC 12 V |
| Maximum current supply front and rear light total (A) | | 2.0 | 2.0 | 2.0 |
| Safe way home function | | √ | √ | √ |
| Port for speed sensor (1 pc) | | SD300 type | SD50 type | SD50 type |
| Torque sensor | | √ | √ | √ |
| Crank arm position sensor | | √ | - | - |
| Bike speed sensor | | √ | √ | SM-DUE10/DUE11 |
| Cadence sensor | | √ | - | - |
| Weight (kg) w/o cover | | 3.0 | 2.38 | 2.38 |
| Note | | No CAN port *FREE SHIFT not available | | |

Drive unit cover

√=Yes

| Model no. | | DC-EP801-A | DC-EP801-B | DC-EP801-G | SM-DUE50-T | SM-DUE50-C |
|---------------------------|--------|------------|------------|------------|------------|------------|
| Cover | Right | - | - | - | √ | √ |
| | Left | √ | √ | - | √ | √ |
| | Bottom | - | - | √ | - | - |
| Available DU angle (deg.) | | 0 - 60 | 0 - 60 | 0 - 60 | 0 - 60 | 0 - 60 |
| Note | | - | - | - | - | - |

* The walk assist mode function may not be able to be used in certain regions. (Singapore, Brazil)

Cycle computer



SC-E6100
Cycle Computer



SC-E5000
Cycle Computer with Assist Switch

| Model no. | | SC-E6100 | SC-E5000 | EW-EN100 |
|---|-----------------------|--------------------------|-------------------|--------------------------|
| Battery management system compatibility | 2nd gen. | - | - | - |
| | 1st gen. | √ | √ | √ |
| Mount position | Center on handlebar | √ | - | - |
| | Right on handlebar | - | - | - |
| | Others | - | *√ | √ |
| Wireless system | | ANT private Bluetooth®LE | - | ANT private Bluetooth®LE |
| E-TUBE port | | SD50 type (3 pcs) | SD50 type (1 pcs) | SD50 type (2 pcs) |
| Electric wire removable | | - | √ | √ |
| Back light | | √ | √ | - |
| LCD size (inch) | | 2.7 | 1.4 | - |
| Beep | | √ | - | - |
| Display detachable | | √ | - | - |
| Display fixation | | - | √ | - |
| Display change button | | √ | √ | - |
| Assist mode change (w/o switch unit) | | √ | √ | √ |
| Reset button | | - | - | - |
| Inside battery | | √ | - | - |
| System on/off button | | √ | - | - |
| Light on/off button | | √ | √ | √ |
| Assist up/down button | | - | √ | - |
| Auto start & auto stop | | - | - | - |
| Contents of display | Clock | √ | - | - |
| | Assist mode display | √ | √ | √ |
| | Assist on/off | √ | - | - |
| | Walk mode display* | √ | √ | √ |
| | Battery charge level | √ | √ | √ |
| | Light condition | √ | - | - |
| | Current speed | √ | √ | - |
| | Gear position display | √ | √ | - |
| | Start mode | √ | - | - |
| | Automatic shift mode | √ | √ | - |
| | Maximum speed | **√ | - | - |
| | Average speed | **√ | - | - |
| | Trip distance | √ | √ | - |
| | Trip time | **√ | - | - |
| | Odometer | √ | √ | - |

* The walk assist mode function may not be able to be used in certain regions. (Singapore, Brazil)



SC-E5000

EW-EN100
Junction A for E-bike

√=Yes

| Model no. | | SC-E6100 | SC-E5000 | EW-EN100 |
|---------------------|------------------------------------|--|--|---|
| Contents of display | Estimated range | √ | √ | - |
| | Range overview | √ | - | - |
| | Assist power indicator | √ | - | - |
| | Error message | √ | √ | √ |
| | Cadence (rpm) | **√ | - | - |
| | Shifting advice | √ | - | - |
| | Maintenance alert | √ | ***√ | - |
| | Bluetooth®LE connection status | √ | - | - |
| Setting menu | Trip distance reset | √ | √ | - |
| | Odometer reset | - | - | - |
| | Setting clear | √ | - | - |
| | Clock adjustment | √ | - | - |
| | Start mode | √ | ***- | - |
| | Shifting advise | √ | - | - |
| | Back light on/off | √ | ***- | - |
| | Light on/off | - | ***- | - |
| | Back light brightness | √ | - | - |
| | Beep on/off | √ | - | - |
| | Unit (km/mile) | √ | **√ | - |
| | Font color | √ | - | - |
| | Adjusting for shift | *√ | ***- | *√ |
| | Adjusting for auto shift timing | *√ | ***- | - |
| | RD protection reset | *√ | - | *√ |
| | Bluetooth®LE pairing | √ | - | √ |
| | Bluetooth®LE/ANT connection status | - | - | - |
| | Assist customize | - | - | - |
| Language | | English/german/dutch/french/spanish/italian | English | - |
| Note | | * In case of SEIS ** Option by E-TUBE PROJECT | * Left on handlebar (normal specification and I-SPEC EV specification) ** Setting by E-TUBE PROJECT *** Drive unit setting by E-TUBE PROJECT | * Set by switch operation in case of SEIS |

Switch unit, Crank arm, Chainring

SW-E7000-L
Left Switch Unit for Assist



SW-E7000-R
Right Switch Unit for SEIS Shift



SW-E6010-L
Left Switch Unit for Assist



SW-E6010-R
Right Switch Unit for SEIS Shift



FC-EN500
E-bike Crankset



FC-E5000
E-bike Crankset



FC-E5010
E-bike Crankset



SM-CRE50
Chainring (38T)



SM-CRE50
Chainring (38T)



SM-CRE50
Chainring (38T)


Switch unit

√=Yes

| Model no. | | SW-E7000-L | SW-E7000-R | SW-E6010-L | SW-E6010-R |
|-----------------------------------|-----------------|------------|----------------|-------------------|----------------------------------|
| Usage | | For assist | For SEIS shift | For assist | For SEIS shift |
| Electric wire removable | | - | - | - | - |
| Firmware update by E-TUBE PROJECT | | √ | √ | √ | √ |
| Electric wire port | SD50 type (pc) | 0 | 0 | 0 | 0 |
| | SD300 type (pc) | 0 | 0 | 0 | 0 |
| Electric wire connector | SD50 type (pc) | 1 | 1 | 1 | 1 |
| | SD300 type (pc) | 0 | 0 | 0 | 0 |
| Assist mode change | | √ | - | √ | - |
| Display change | | - | - | √ | √ |
| Automatic/manual change | | - | √ | √ | √ |
| Light on-off | | - | - | *_ | - |
| Multiple input | 2 step | - | - | - | - |
| | Hold | √ | √ | - | **√ |
| Average weight | | 23.9 g | 23.9 g | 31.3 g | 31.3 g |
| Note | | | | * By setting menu | ** Available for rear derailleur |


Crank arm

√=Yes

| Brand | | SHIMANO | SHIMANO | SHIMANO |
|-----------------------|---|--------------|-------------|-------------|
| Model no. | | FC-EN500 | FC-E5000 | FC-E5010 |
| Crank arm type |  | - | - | - |
| | Solid | √ | √ | √ |
| Q factor (mm) | | 178 | 185 | 185 |
| BB type | | 24 mm narrow | Square type | Square type |
| Crank arm length (mm) | 160 mm | - | - | - |
| | 165 mm | - | √ | √ |
| | 170 mm | √ | √ | √ |
| | 175 mm | √ | √ | √ |
| Color | | Black/Silver | Silver | Standard |
| Note | | - | - | - |

Chainring

√=Yes

| Speed | | 9/10/11-speed |
|---|--------|---------------|
| Model no. | | SM-CRE50 |
| Chain line (mm) | 53 | - |
| | 50 | - |
| | 46.5 | √ |
| Chainring teeth | 34T | - |
| | 36T | - |
| | 38T | √ |
| | 42T | - |
| | 44T | √ |
| | 47T | - |
|  | | - |
| Chainring material | | Steel |
| Chain guard type | Double | √ |
| | Single | √ |
| | w/o CG | √ |
| Chain device compatible | | - |
| Chain case compatible | | √ |
| Note | | - |

Internal geared hub spec



SG-C7002-5CD
E-bike Dedicated Internal Geared Hub
Coaster and Disc Brake 5-speed



SG-C7000-5C
E-bike Dedicated Mechanical Internal
Geared Hub Coaster Brake 5-speed



SG-C7050-5D
E-bike Dedicated Di2 Internal Geared Hub
Disc Brake 5-speed

Internal geared hub spec

√=Yes

| Series | | SHIMANO Nexus | | | | | | |
|-------------------------------|-------------------|--|-------------|----------------------------------|---------------|------------------------|-------------|------------------------|
| Model no. | | SG-C7002-5CD | SG-C7000-5V | SG-C7000-5R | SG-C7000-5C | SG-C7000-5D | SG-C7050-5V | SG-C7050-5D |
| Function name | | INTER-5E | INTER-5E | INTER-5E | INTER-5E | INTER-5E | INTER-5E | INTER-5E |
| Color | 1 | Silver | Silver | Silver | Silver | Silver | Silver | Silver |
| | 2 | Black | Black | Black | Black | Black | Black | Black |
| | 3 | - | - | - | - | - | - | - |
| Brake type | Mount type | Coaster brake, special disc brake mount for SM-RTC60 | V-BRAKE | INTER-M | Coaster brake | CENTER LOCK disc brake | V-BRAKE | CENTER LOCK disc brake |
| | Recommended model | BR-M6100 BR-MT420 | - | BR-C6000 BR-C3010 BR-C3000 | - | - | - | - |
| Speeds | | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Gear ratio | Total | 263% | 263% | 263% | 263% | 263% | 263% | 263% |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2 | 1.277 | 1.277 | 1.277 | 1.277 | 1.277 | 1.277 | 1.277 |
| | 3 | 1.622 | 1.622 | 1.622 | 1.622 | 1.622 | 1.622 | 1.622 |
| | 4 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 | 2.07 |
| | 5 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 | 2.63 |
| | 6 | - | - | - | - | - | - | - |
| | 7 | - | - | - | - | - | - | - |
| | 8 | - | - | - | - | - | - | - |
| | 9 | - | - | - | - | - | - | - |
| | 10 | - | - | - | - | - | - | - |
| | 11 | - | - | - | - | - | - | - |
| Shifting structure | | Top normal | Top normal | Top normal | Top normal | Top normal | Di2 | Di2 |
| Silent clutch | | √ | √ | √ | √ | √ | √ | √ |
| Gear change support mechanism | | √ | √ | √ | √ | √ | √ | √ |
| Shifting POWER MODULATOR | | √ | √ | √ | √ | √ | √ | √ |
| Driving efficiency | | High | High | High | High | High | High | High |
| w/ left hand dust cap | | - | √ | - | - | - | √ | - |
| O.L.D. (mm) | | 135 | 135 | 135 | 135 | 135 | 135 | 135 |
| Spoke size | | #13/#14 | #13/#14 | #13/#14 | #13/#14 | #13/#14 | #13/#14 | #13/#14 |
| Spoke hole | 28H | - | - | - | - | - | - | - |
| | 32H | √ | √ | √ | √ | √ | - | √ |
| | 36H | √ | √ | √ | √ | √ | √ | √ |
| | Others | - | - | - | - | - | - | - |
| Axle length (mm) | 182 | - | - | - | - | - | - | - |
| | 184 | - | - | - | - | - | - | - |
| | 187 | √ | √ | √ | √ | √ | √ | √ |
| | 193 | - | - | - | - | - | - | - |
| | Others | - | - | - | - | - | - | - |
| Flange distance (mm) | | 58.3 | 58.3 | 58.3 | 58.3 | 57.3 | 58.3 | 57.3 |
| Flange diameter (mm) | | 105.2 | 105.2 | 105.2 | 105.2 | 105.2 | 105.2 | 105.2 |
| Flange width (mm) | Right | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| | Left | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| Offset (mm) | | 3.7 | 3.2 | 3.2 | 3.7 | 3.2 | 3.7 | 3.2 |
| P.C.D left/right. (mm) | | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| Average weight | | 2,010 g | 1,670 g | 1,670 g | 1,970 g | 1,650 g | 1,670 g | 1,670 g |
| Note | | | - | - | - | - | | |

Shifter, Motor unit, Cassette



SL-C7000-5
REVOSHIFT Shifter for INTER-5E Hub



MU-UR510
Motor Unit



MU-UR500
Motor Unit



CS-C7000
Single Sprocket for E-bike [27T]

Shifter

√=Yes

| Model no. | | SL-C7000-5 |
|---|------------------|--------------------------------------|
| Color | 1 | Silver |
| | 2 | Black |
| | 3 | - |
| Shifter type | | REVOSHIFT |
| Top-Normal | | √ |
| Front speeds | | - |
| Rear speeds | | 5 |
| Compatible rear derailleur/internal geared hub type | | NEXUS INTER-5E |
| Compatible front derailleur type | | - |
| Shifter position adjust | | - |
| Shifter cable adjust | | √ |
| Max. multiple shifts (Main lever/rear) | | 4 |
| Release function | MULTI RELEASE | - |
| | INSTANT RELEASE | - |
| | 2-WAY RELEASE | - |
| OPTICAL GEAR DISPLAY | with | Window |
| | with (removable) | - |
| | without | - |
| Multi-Bearing construction | | - |
| Shifter cable | Material | Stainless steel |
| | Finish | - |
| Recommended shifter outer casing | | OT-SP41 |
| Clamping diameter (mm) | | 22.2 |
| Average weight | | - |
| Note | | w/ rubber bellows spec. is available |

Motor unit

√=Yes

| Model no. | | MU-UR510 | MU-UR500 |
|-----------------------------------|---|----------------------|---|
| Color | 1 | Black | Standard |
| | 2 | - | - |
| | 3 | - | - |
| Compatible internal geared hub | | SG-S7051 SG-C7050 | SG-S705 SG-S7051 SG-C6060 SG-C7050 |
| Compatible speed | | 11/8/5-speed | 11/8/5-speed |
| Master unit | | - | - |
| Firmware update by E-TUBE PROJECT | | √ | √ |
| SD50 port (pcs) | | 0 | 1 |
| SD300 port (pcs) | | 1 | 0 |
| SD50 connector (pcs) | | 0 | 0 |
| SD300 connector (pcs) | | 0 | 0 |
| Note | | - | - |

Cassette

√=Yes

| Model no. | | CS-C7000 |
|---------------------|-----------------------------------|----------|
| Chain guard | with | - |
| | without | √ |
| Gear teeth | 14T | - |
| | 16T | - |
| | 18T | - |
| | 19T | - |
| | 20T | - |
| | 21T | - |
| | 22T | - |
| | 23T | - |
| | 24T | √ |
| | 27T | √ |
| | 30T | √ |
| Gear thickness (mm) | | 2.3 |
| Recommended chain | Super narrow HG 9-speed | - |
| | HG 8-speed (1/2 inch x 3/32 inch) | √ |
| | 1/2 inch x 1/8 inch | - |
| Note | | |

E-Cargo

LOADS OF FUN

E-Cargo bikes make it easier than ever for busy people to transport their kids, pets, and other precious items day after day. Make the move to car-light or car-free with a delightfully refined pedal assist that gives you a helping hand without trading the cycling experience you love. If you are looking for a way to transform school runs, shopping trips, and the daily haul — look for the yellow cargo sticker.





Technical Specifications



1 DU-EP600-CRG

EP6 Drive Unit for Cargo bike use

- Cargo-dedicated version of our powerful and efficient DU-EP600 drive unit

1 DU-EP801-CRG

EP8 Drive Unit for Cargo bike use

- Cargo-dedicated version of our powerful and efficient DU-EP801 drive unit

2 DC-EP801-A

EP8 Drive Unit Cover (Mount Bolt Exposed Type)

- Compact cover

2 DC-EP801-B

EP8 Drive Unit Cover (Mount Bolt Covered Type)

- Large cover

2 DC-EP801-G

EP8 Drive Unit Guard

- Guard cover for drive unit bottom



EP600-CRG



EP801-CRG

3 SW-EN600**Left Switch Unit for Assist/Di2 Right Switch Unit for Shifting**

- Simple and intuitive button operation

3 SW-EM800-L**EP8 Left Switch Unit for Assist**

- Improved ergonomics

4 SC-EN600/SC-EN610**Cycle Computer**

- Customizable data dashboards let you select four riding metrics per screen with the E-TUBE PROJECT APP

4 SC-EN500**Cycle Computer with Assist Switch (SD300 port)**

- Integrated single unit for more attractive and affordable City/Trekking e-bikes

**5 EW-SD300****Electric Wire SD300 for External Routing**

- More compact design makes new electric components smaller and lighter

6 EW-SW310**Satellite System On/Off Switch (SD300)**

- Pair with SW-EM800 and EW-SW310 for a simple e-MTB cockpit

6 EW-CA110**CAN Cable with Connector**

- Compatible with DU-EP801/EP600

**7 BT-EN817-B NEW****Integrated Battery (712 Wh)**

- Capacity: 712 Wh (36.3 V, 19.6 Ah)

7 BT-EN606-A**Battery for Down Tube (630 Wh)**

- Capacity: 630 Wh (36 V, 17.5 Ah)

7 BT-EN605-A**Battery for Down Tube (504 Wh)**

- Capacity: 504 Wh (36 V, 14 Ah)

7 BT-EN604-A**Battery for Down Tube (418 Wh)**

- Capacity: 418 Wh (36 V, 11.6 Ah)

7 BT-EN405-A**Battery for Rear Carrier (504 Wh)**

- Capacity: 504 Wh (36 V, 14 Ah)

7 BT-EN404-A**Battery for Rear Carrier (418 Wh)**

- Capacity: 418 Wh (36 V, 11.6 Ah)

Drive unit, Drive unit cover, Drive unit guard

EP8

EP801 series



DU-EP801-CRG

DU-EP801-CRG

EP8 Drive Unit for Cargo bike use

- Cargo-dedicated version of our powerful and efficient DU-EP801 drive unit
- Specially tuned cargo assist firmware
 - » Retains all of DU-EP801's great functions and features



DC-EP801-A
Drive Unit Cover
(Mount Bolt Exposed Type)



DC-EP801-B
Drive Unit Cover
(Mount Bolt Covered Type)



DC-EP801-G
Drive Unit Guard

EP6

EP600 series



DU-EP600-CRG

DU-EP600-CRG

EP6 Drive Unit for Cargo bike use

- Cargo-dedicated version of our powerful and efficient DU-EP600 drive unit
- Specially tuned cargo assist firmware
 - » Retains all of DU-EP600's great functions and features

Drive unit

√=Yes

| Model no. | | DU-EP801-CRG | DU-EP600-CRG |
|---|--------------------------------|--|--|
| Output characteristics | | CARGO | CARGO |
| Continuous rated power (Watt) | | 250 | 250 |
| Maximum torque (N·m) | | 85 | 85 |
| Compatible brake type | | Disc brake | Disc brake |
| Chain case | | √ | √ |
| Drive unit cover design | | DU-EP801-A/B | DU-EP801-A/B |
| Maximum support bike speed | 25 km/h | √ | √ |
| | 20 mph | √ | √ |
| | 28 mph | √ US Class3 (comply with California) only | √ US Class3 (comply with California) only |
| | Adjustment | - | - |
| Assist mode | | Boost, trail, eco High, normal, eco | Boost, trail, eco High, normal, eco |
| Walk assist function* | On/off (Set by E-TUBE PROJECT) | √ | √ |
| | Intelligent | √ (In case of Di2) | √ (In case of Di2) |
| | Quick | √ | √ |
| Power supply for front light/rear light | | DC 12 V | DC 12 V |
| Maximum current supply front and rear light total (A) | | 2.0 | 2.0 |
| Power supply and maximum current for ACC | | 13.5 V DC/2.0 A | 13.5 V DC/2.0 A |
| Power supply and maximum current for CAN port | | 12 V DC/2.0 A | 12 V DC/2.0 A |
| Safe way home function | | √ | √ |
| Port for speed sensor (1 pc) | | SD300 type | SD300 type |
| Torque sensor | | √ | √ |
| Crank arm position sensor | | √ | √ |
| Bike speed sensor | | EW-SS300/SS301/SS302 | EW-SS300/SS301/SS302 |
| Cadence sensor | | √ | √ |
| Weight (kg) w/o cover | | 2.7 | 3.0 |

Drive unit cover, Drive unit guard

√=Yes

| Model no. | | DC-EP801-A | DC-EP801-B | DC-EP801-G |
|---------------------------|--------|------------|------------|------------|
| Cover | Right | - | - | - |
| | Left | √ | √ | - |
| | Bottom | - | - | √ |
| Available DU angle (deg.) | | 0 - 60 | 0 - 60 | 0 - 60 |
| Note | | - | - | - |

* The walk assist mode function may not be able to be used in certain regions. (Singapore, Brazil)

< 2nd gen. Battery Management System >

Battery



BT-EN817-B NEW
Integrated Type Battery for Down Tube
(712 Wh)



BT-EN805-A
Integrated Type Battery for Down Tube
(504 Wh)



BT-EN805-L-A
Integrated Type Battery for Down Tube
(504 Wh)



BT-EN806-A
Integrated Type Battery for Down Tube
(630 Wh)



BT-EN604-A
Battery for Down Tube
(418 Wh)



BT-EN605-A
Battery for Down Tube
(504 Wh)



BT-EN606-A
Battery for Down Tube
(630 Wh)



BT-EN404-A
Battery for Rear Carrier
(418 Wh)



BT-EN405-A
Battery for Rear Carrier
(504 Wh)

Battery

NEW

√=Yes

| Model no. | | BT-EN817-B | BT-EN805-A | BT-EN805-L-A | BT-EN806-A | BT-EN604-A |
|---------------------------------|-------------------------------------|------------|--|--|--|---------------------|
| Compatible drive unit | EP801/EP600/EP500 | √ | √ | √ | √ | √ |
| | EP800/E8000/E7000/E6100/E5100/E5000 | - | - | - | - | - |
| EN 15194:2017+A1:2023 compliant | | √ | √ | √ | √ | √ |
| UL2271 | | √ | √ | √ | √ | - |
| Chemistry | | Li-ion | Li-ion | Li-ion | Li-ion | Li-ion |
| Position | | Integrated | Integrated | Integrated | Integrated | Down tube/seat tube |
| Nominal voltage (V) | | 36.3 | 36 | 36 | 36 | 36 |
| Capacity (Ah) | | 19.6 | 14 | 14 | 17.5 | 11.6 |
| Rated capacity (Ah) | | 19.6 | 13 | 13 | 16.2 | 10.9 |
| Energy content (Wh) | | 712 | 504 | 504 | 630 | 418 |
| Rated capacity (Wh) | | 712 | 468 | 468 | 583 | 393 |
| Charge level display | | √ | √ | √ | √ | √ |
| Error signal | | √ | √ | √ | √ | √ |
| Charging port | | ** _ | * _ | * _ | * _ | √ |
| System on/off switch | | √ | √ | √ | √ | √ |
| Compatible battery mount | | BM-EN810-A | BM-EN800-A BM-EN800-B BM-EN801-A BM-EN801-B | BM-EN800-A BM-EN800-B BM-EN801-A BM-EN801-B | BM-EN800-A BM-EN800-B BM-EN801-A BM-EN801-B | BM-EN600 |
| Compatible charger | | EC-EN814 | EC-E6002, EC-E8004 | EC-E6002, EC-E8004 | EC-E6002, EC-E8004 | EC-E6002, EC-E8004 |
| Compatible adaptor for charge | | SM-BTE81 | SM-BTE80 | SM-BTE80 | SM-BTE80 | - |
| Average weight | | 4.2 kg | 2.9 kg | 3.15 kg | 3.7 kg | 2.6 kg |

* with SM-BTE80 or EW-CP100

** with SM-BTE81 and EW-CP110 or EW-CP111

√=Yes

| Model no. | | BT-EN605-A | BT-EN606-A | BT-EN404-A | BT-EN405-A |
|---------------------------------|-------------------------------------|---------------------|---------------------|--------------------|--------------------|
| Compatible drive unit | EP801/EP600/EP500 | √ | √ | √ | √ |
| | EP800/E8000/E7000/E6100/E5100/E5000 | - | - | - | - |
| EN 15194:2017+A1:2023 compliant | | √ | √ | √ | √ |
| UL2271 | | √ | √ | - | - |
| Chemistry | | Li-ion | Li-ion | Li-ion | Li-ion |
| Position | | Down tube/seat tube | Down tube/seat tube | Rear carrier | Rear carrier |
| Nominal voltage (V) | | 36 | 36 | 36 | 36 |
| Capacity (Ah) | | 14 | 17.5 | 11.6 | 14 |
| Rated capacity (Ah) | | 13 | 16.2 | 10.9 | 13 |
| Energy content (Wh) | | 504 | 630 | 418 | 504 |
| Rated capacity (Wh) | | 468 | 583 | 393 | 468 |
| Charge level display | | √ | √ | √ | √ |
| Error signal | | √ | √ | √ | √ |
| Charging port | | √ | √ | - | - |
| System on/off switch | | √ | √ | √ | √ |
| Compatible battery mount | | BM-EN600 | BM-EN600 | BM-EN400 | BM-EN400 |
| Compatible charger | | EC-E6002, EC-E8004 | EC-E6002, EC-E8004 | EC-E6002, EC-E8004 | EC-E6002, EC-E8004 |
| Compatible adaptor for charge | | - | - | SM-BTE60 | SM-BTE60 |
| Average weight | | 2.55 kg | 3.2 kg | 2.58 kg | 2.65 kg |

< 2nd gen. Battery Management System >

Battery mount



BM-EN810-A NEW
Integrated Down Tube Battery
Mount With Key Unit Mount



BM-EN800-A
Integrated Down Tube Battery
Mount With Key Unit Mount



BM-EN800-B
Integrated Down Tube Battery
Mount With Key Unit Mount



BM-EN801-A
Integrated Down Tube Battery
Mount Without Key Unit Mount



BM-EN801-B
Integrated Down Tube Battery
Mount Without Key Unit Mount



BM-EN600
Battery Mount for Down Tube



BM-EN400-A
Rear Carrier Battery Mount



BM-EN400-B
Rear Carrier Battery Mount

Battery mount

NEW

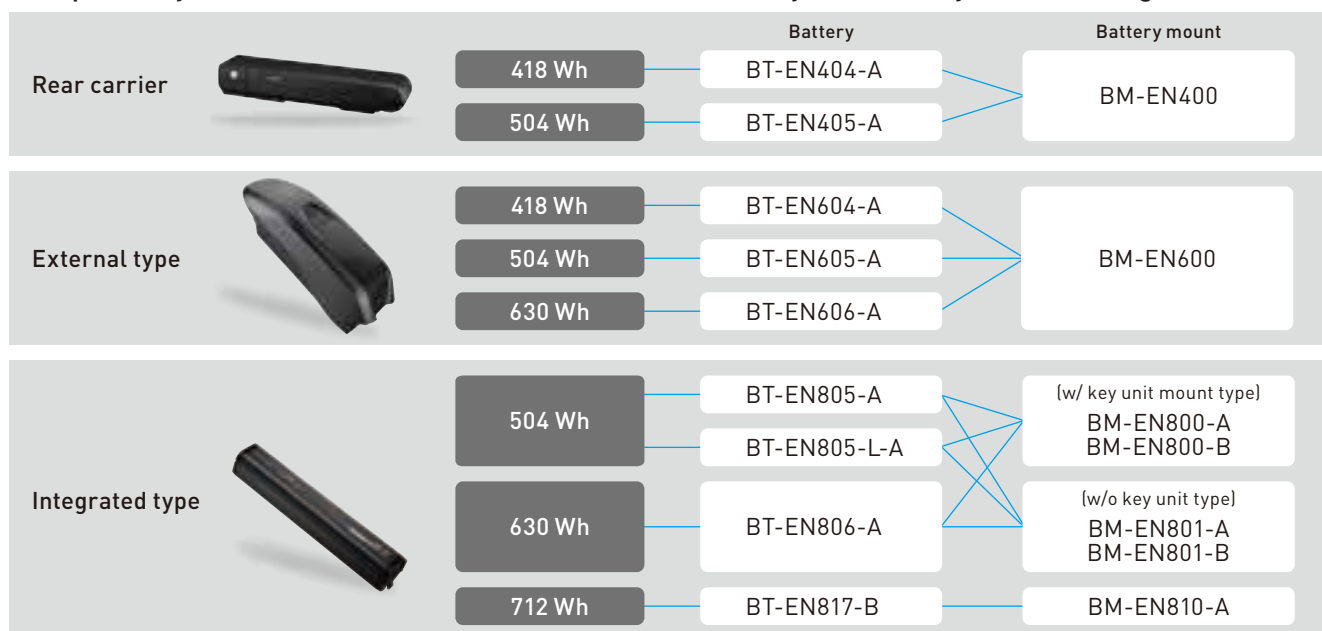
√=Yes

| Model no. | | BM-EN810-A | BM-EN800-A | BM-EN800-B | BM-EN801-A | BM-EN801-B |
|--|---|--------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Color | 1 | Black | Black | Black | Black | Black |
| | 2 | - | - | - | - | - |
| UL2849 | | √ | √ | √ | √ | √ |
| Position | | Integrated | Integrated | Integrated | Integrated | Integrated |
| Charging port | | - | - | - | - | - |
| Key lock system | | - | √ | √ | - | - |
| Power cable | | √ | √ | √ | √ | √ |
| Compatible satellite charging port | | EW-CP110, EW-CP111 | EW-CP100 | - | EW-CP100 | - |
| Cable length to satellite charging port (mm) | | 200 | 200 | - | 200 | - |
| Compatible battery | | BT-EN817 | BT-EN805 BT-EN805-L BT-EN806 | BT-EN805 BT-EN805-L BT-EN806 | BT-EN805 BT-EN805-L BT-EN806 | BT-EN805 BT-EN805-L BT-EN806 |

√=Yes

| Model no. | | BM-EN600 | BM-EN400-A | BM-EN400-B |
|--|---|----------------------------------|----------------------|----------------------|
| Color | 1 | Black | Black | Black |
| | 2 | - | Gray | Gray |
| UL2849 | | √ | - | - |
| Position | | Down tube/seat tube | Rear carrier | Rear carrier |
| Charging port | | - | √ | √ |
| Key lock system | | √ | √ | √ |
| Power cable | | √ | √ | √ |
| Compatible satellite charging port | | - | - | - |
| Cable length to satellite charging port (mm) | | - | - | - |
| Compatible battery | | BT-EN604 BT-EN605 BT-EN606 | BT-EN404 BT-EN405 | BT-EN404 BT-EN405 |

Compatibility between SHIMANO E-BIKE SYSTEMS battery and battery mount (2nd generation)



< 1st gen. Battery Management System >

Battery



BT-E8036-A
Integrated Type Battery for Down Tube
(630 Wh)



BT-E8035-A
Integrated Type Battery for Down Tube
(504 Wh)



BT-E8035-L-A
Integrated Type Battery for Down Tube
(504 Wh)



BT-E8020
Integrated Type Battery for Down Tube
(504 Wh)



BT-E8016-A
Battery for Down Tube
(630 Wh)



BT-E8010-A
Battery for Down Tube
(504 Wh)



BT-E8014-A
Battery for Down Tube
(418 Wh)



BT-E6001-A
Battery for Rear Carrier
(504 Wh)



BT-E6000-A
Battery for Rear Carrier
(418 Wh)

Battery

√=Yes

| Model no. | | BT-E8036-A | BT-E8035-A | BT-E8035-L-A | BT-E8020 | BT-E8016-A |
|---------------------------------|-------------------------------------|--|--|--|--------------------|---------------------|
| Compatible drive unit | EP801/EP600/EP500 | - | - | - | - | - |
| | EP800/E8000/E7000/E6100/E5100/E5000 | √ | √ | √ | √ | √ |
| EN 15194:2017+A1:2023 compliant | | √ | √ | √ | - | √ |
| UL2271 | | - | - | - | - | - |
| Chemistry | | Li-ion | Li-ion | Li-ion | Li-ion | Li-ion |
| Position | | Integrated | Integrated | Integrated | Integrated | Down tube/seat tube |
| Nominal voltage (V) | | 36 | 36 | 36 | 36 | 36 |
| Capacity (Ah) | | 17.5 | 14 | 14 | 14 | 17.5 |
| Rated capacity (Ah) | | 16.2 | 13 | 13 | 13 | 16.2 |
| Energy content (Wh) | | 630 | 504 | 504 | 504 | 630 |
| Rated capacity (Wh) | | 583 | 468 | 468 | 468 | 583 |
| Charge level display | | √ | √ | √ | √ | √ |
| Error signal | | √ | √ | √ | √ | √ |
| Charging port | | * - | * - | * - | √ | √ |
| System on/off switch | | √ | √ | √ | √ | √ |
| Compatible battery mount | | BM-E8030-A BM-E8030-B BM-E8031-A BM-E8031-B | BM-E8030-A BM-E8030-B BM-E8031-A BM-E8031-B | BM-E8030-A BM-E8030-B BM-E8031-A BM-E8031-B | BM-E8020 | BM-E8016 |
| Compatible charger | | EC-E6002, EC-E8004 | EC-E6002, EC-E8004 | EC-E6002, EC-E8004 | EC-E6002, EC-E8004 | EC-E6002, EC-E8004 |
| Compatible adaptor for charge | | SM-BTE80 | SM-BTE80 | SM-BTE80 | - | - |
| Average weight | | 3.7 kg | 2.9 kg | 3.15 kg | 3.05 kg | 3.2 kg |

* with SM-BTE80 or EW-CP100

√=Yes

| Model no. | | BT-E8010-A | BT-E8014-A | BT-E6001-A | BT-E6000-A |
|---------------------------------|-------------------------------------|---------------------|---------------------|--------------------|--------------------|
| Compatible drive unit | EP801/EP600/EP500 | - | - | - | - |
| | EP800/E8000/E7000/E6100/E5100/E5000 | √ | √ | √ | √ |
| EN 15194:2017+A1:2023 compliant | | √ | √ | √ | √ |
| UL2271 | | - | - | - | - |
| Chemistry | | Li-ion | Li-ion | Li-ion | Li-ion |
| Position | | Down tube/seat tube | Down tube/seat tube | Rear carrier | Rear carrier |
| Nominal voltage (V) | | 36 | 36 | 36 | 36 |
| Capacity (Ah) | | 14 | 11.6 | 14 | 11.6 |
| Rated capacity (Ah) | | 13 | 10.9 | 13 | 11.6 |
| Energy content (Wh) | | 504 | 418 | 504 | 418 |
| Rated capacity (Wh) | | 468 | 393 | 468 | 418 |
| Charge level display | | √ | √ | √ | √ |
| Error signal | | √ | √ | √ | √ |
| Charging port | | √ | √ | - | - |
| System on/off switch | | √ | √ | √ | √ |
| Compatible battery mount | | BM-E8016 | BM-E8016 | BM-E6000 | BM-E6000 |
| Compatible charger | | EC-E6002, EC-E8004 | EC-E6002, EC-E8004 | EC-E6002, EC-E8004 | EC-E6002, EC-E8004 |
| Compatible adaptor for charge | | - | - | SM-BTE60 | SM-BTE60 |
| Average weight | | 2.6 kg | 2.55 kg | 2.65 kg | 2.58 kg |

< 1st gen. Battery Management System >

Battery mount

BM-E8016
Battery Mount for Down Tube



BM-E8020
Integrated Down Tube
Battery Mount



BM-E8030-A
Integrated Down Tube Battery
Mount With Key Unit Mount
Connectable to Satellite Charging
Port



BM-E8030-B
Integrated Down Tube Battery
Mount With Key Unit Mount



BM-E8031-A
Integrated Down Tube Battery
Mount Without Key Unit Mount
Connectable to Satellite Charging
Port



BM-E8031-B
Integrated Down Tube Battery
Mount Without Key Unit Mount



BM-E6000-A
Rear Carrier Battery Mount

Battery mount

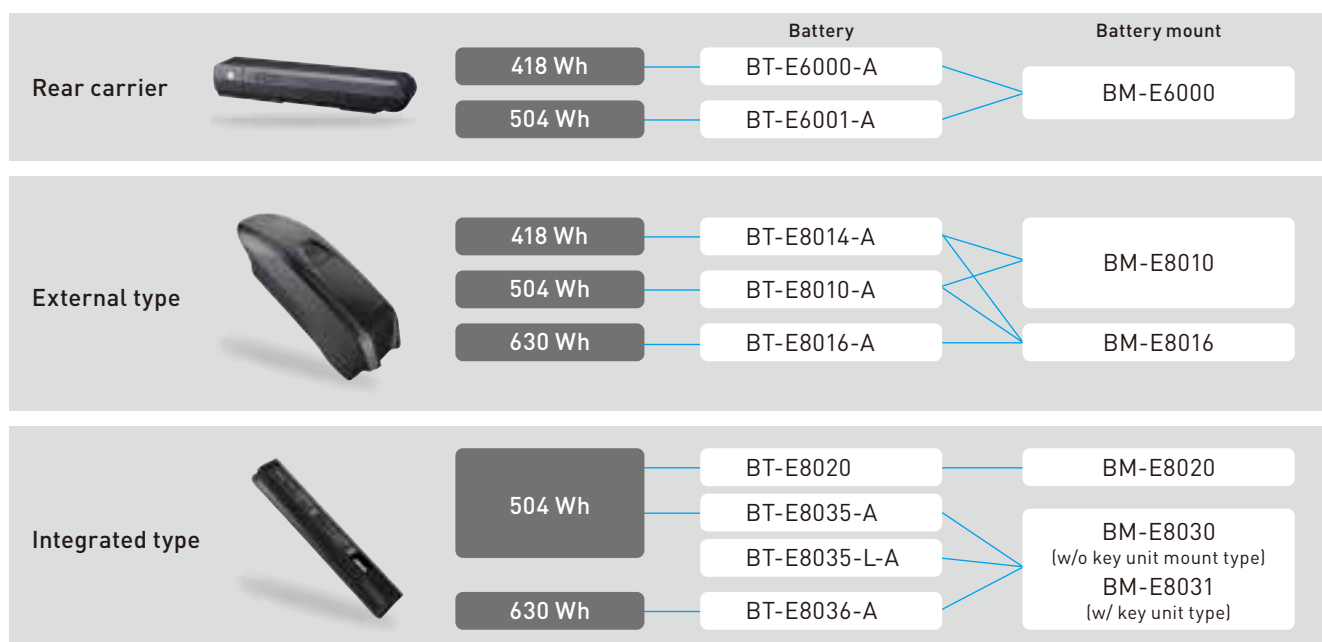
√=Yes

| Model no. | | BM-E8016 | BM-E8020 | BM-E8030-A | BM-E8030-B |
|--|---|----------------------------------|------------|------------------------------------|------------------------------------|
| Color | 1 | Black | Black | Black | Black |
| | 2 | - | - | - | - |
| UL2849 | | - | - | - | - |
| Position | | Down tube/seat tube | Integrated | Integrated | Integrated |
| Charging port | | - | - | - | - |
| Key lock system | | √ | √ | √ | √ |
| Power cable | | √ | √ | √ | √ |
| Compatible satellite charging port | | - | - | EW-CP100 | - |
| Cable length to satellite charging port (mm) | | - | - | 200 | - |
| Compatible battery | | BT-E8010 BT-E8014 BT-E8016 | BT-E8020 | BT-E8035 BT-E8035-L BT-E8036 | BT-E8035 BT-E8035-L BT-E8036 |

√=Yes

| Model no. | | BM-E8031-A | BM-E8031-B | BM-E6000-A | BM-E6000-B |
|--|---|------------------------------------|------------------------------------|----------------------|----------------------|
| Color | 1 | Black | Black | Black | Black |
| | 2 | - | - | Gray | Gray |
| UL2849 | | - | - | - | - |
| Position | | Integrated | Integrated | Rear carrier | Rear carrier |
| Charging port | | - | - | √ | √ |
| Key lock system | | - | - | √ | √ |
| Power cable | | √ | √ | √ | √ |
| Compatible satellite charging port | | EW-CP100 | - | - | - |
| Cable length to satellite charging port (mm) | | 200 | - | - | - |
| Compatible battery | | BT-E8035 BT-E8035-L BT-E8036 | BT-E8035 BT-E8035-L BT-E8036 | BT-E6000 BT-E6001 | BT-E6000 BT-E6001 |

Compatibility between SHIMANO E-BIKE SYSTEMS battery and battery mount (1st generation)



Battery charger, Battery charging port



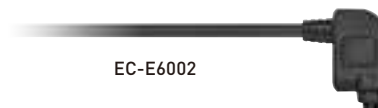
EC-EN814



EC-E6002



EC-E8004



SM-BCC1

EC-EN814 **NEW**

Battery Charger

- Compact, semi-integrated frame charging port
- Charge without removing battery
- Rapid charging
 - » Charge from empty to 80% in 3.3 hours (for BT-EN817)
 - » Go from empty to fully charged in 5.2 hours (for BT-EN817)

EC-E8004

Battery Charger

- Lightweight and portable battery charger
 - » Same compact size and weight as EC-E6002
- Rapid charging
 - » Quick charge from half to 80% in 1 hour
 - » Charge from empty to 80% in 2.5 hours
 - » Go from empty to fully charged in 4.5 hours
- Equivalent or higher to waterproof grades 5 (IPX5)

EC-E6002

Battery Charger

- Compact size & light weight for easy to bring
- Charge without removing battery
- Charge with battery directly
- Fast charging - rapid charge to 80% of total capacity
- Small connector

SM-BCC1

Battery Charger Cord

- Need to purchase separately with battery charger (EC-E6002)



SM-BTE81



SM-BTE80



SM-BTE60



EW-CP111



EW-CP110



EW-CP100

SM-BTE81 **NEW**

Charging Adapter (for EW-CP110)

- Adapter for charging our large-capacity 712 Wh integrated down tube batteries (BT-EN817)

SM-BTE80

Battery Charger Adapter

- Adapter for charging battery (BT-E8035) with charger (EC-E6002/E8004)

SM-BTE60

Battery Charger Adapter

- Adapter for charging battery (BT-E6000/E6001/E6010) with charger (EC-E6002/E8004)

EW-CP111 **NEW**

Satellite Charging Port

- Compact, semi-integrated frame charging port

EW-CP110 **NEW**

Satellite Charging Port (via SM-BTE81)

- Compact, semi-integrated frame charging port

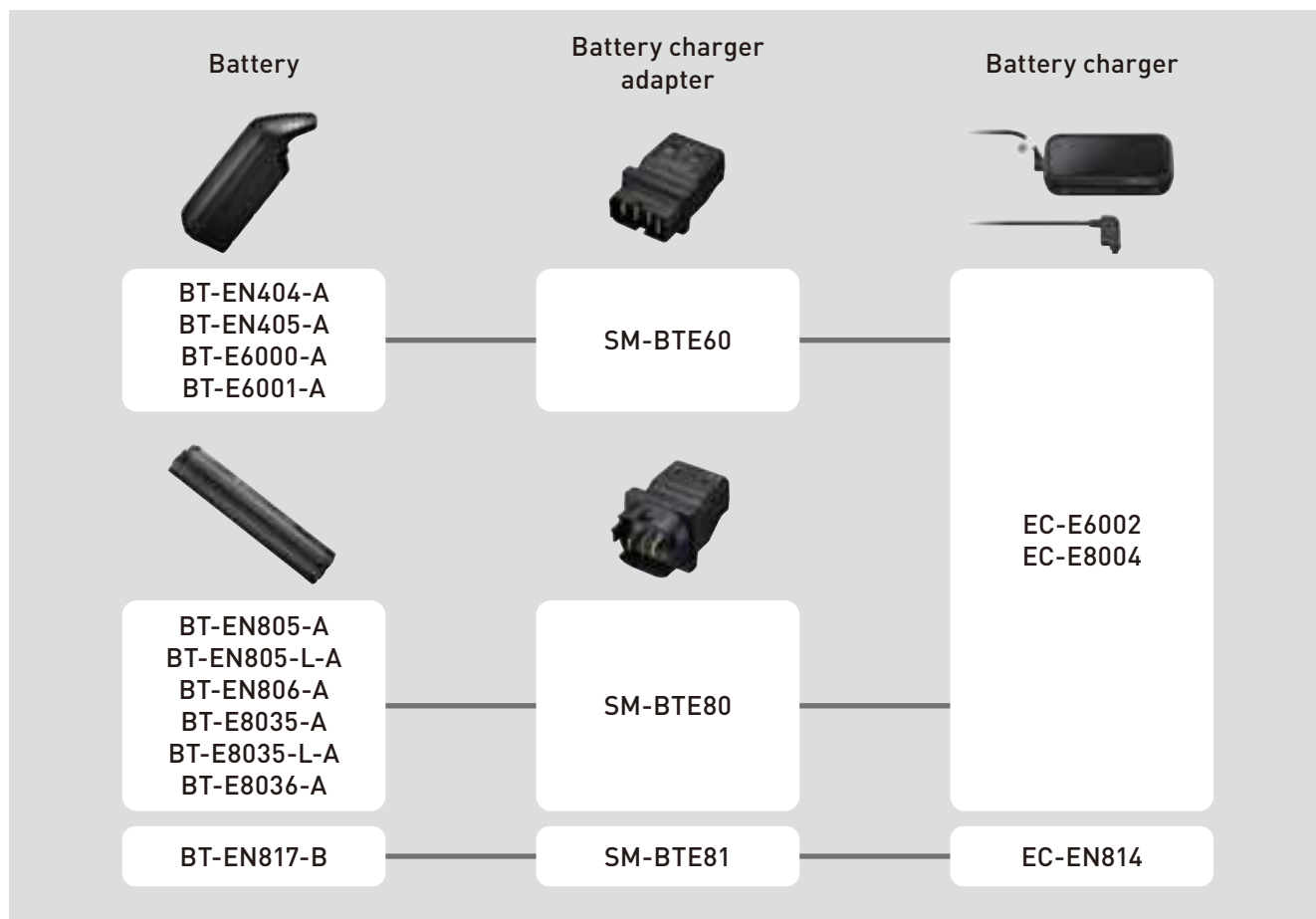
EW-CP100

Satellite Charging Port for E-Bike

- Compact, semi-integrated frame charging port
- Cable length: 200 mm, 550 mm

Charge Time (EU/NA)

| Model no. | | NEW EC-EN814 | EC-E8004 | EC-E6002 |
|-----------------------------|-------------|---------------------------|---------------------------|---------------------------|
| Equipped with battery 712Wh | Full charge | 5.2h | - | - |
| | 80% charge | 3.4h | - | - |
| Equipped with battery 630Wh | Full charge | - | 4.8h/5.7h | 10.2h |
| | 80% charge | - | 3.2h/4h | 7.5h |
| Equipped with battery 504Wh | Full charge | - | 4.0h/4.5h | 7.5h |
| | 80% charge | - | 2.5h/3.2h | 4h |
| Equipped with battery 418Wh | Full charge | - | 3.0h/3.5h | 6.5h |
| | 80% charge | - | 2.0h/2.5h | 3.5h |
| Compatible voltage | | AC 100 V-240 V 50-60Hz | AC 100 V-240 V 50-60Hz | AC 100 V-240 V 50-60Hz |
| Plug in charging type | | √ | √ | √ |
| Charging temperature | | 0-40 °C | 0-40 °C | 0-40 °C |
| Storage temperature | | -20-60 °C | -20-60 °C | -20-60 °C |
| Error signal | | √ | √ | √ |
| Compatible AC power cable | | SM-BCC1 | - | SM-BCC1 |
| Built-in AC cable (m) | | - | 2 | - |
| Average weight | | 600 g | 550 g (target weight) | 523 g |



Battery charger

NEW

√=Yes

| Model no. | EC-EN814 | EC-E8004-1 | EC-E8004-2 | EC-E8004-3 | EC-E8004-4 | EC-E8004-6 | EC-E8004-7 | EC-E8004-12 | EC-E6002 |
|--|-------------------------------------|--|--|--|--|--|--|--|--|
| Color | Black | Black | Black | Black | Black | Black | Black | Black | Black |
| Plug type | - | Type C | Type A | Type A | Type O | Type BF | Type C | Type C | - |
| Typical example country/region | Worldwide | Europe | USA, Canada | Japan | Australia, New Zealand | UK | Korea | Brazil | Worldwide |
| Compatible battery | BT-EN817-B | BT-E6000 BT-E6001 BT-E8010 BT-E8014 BT-E8016 BT-E8020 BT-E8035 BT-E8035-L BT-E8036 BT-EN404 BT-EN405 BT-EN604 BT-EN605 BT-EN606 BT-EN805 BT-EN805-L BT-EN806 | BT-E6000 BT-E6001 BT-E8010 BT-E8014 BT-E8016 BT-E8020 BT-E8035 BT-E8035-L BT-E8036 BT-EN404 BT-EN405 BT-EN604 BT-EN605 BT-EN606 BT-EN805 BT-EN805-L BT-EN806 | BT-E8010 BT-E8016 BT-E8014 BT-E8035 BT-E8036 | BT-E6000 BT-E6001 BT-E8010 BT-E8014 BT-E8016 BT-E8020 BT-E8035 BT-E8035-L BT-E8036 BT-EN404 BT-EN405 BT-EN604 BT-EN605 BT-EN606 BT-EN805 BT-EN805-L BT-EN806 | BT-E6000 BT-E6001 BT-E8010 BT-E8014 BT-E8016 BT-E8020 BT-E8035 BT-E8035-L BT-E8036 BT-EN404 BT-EN405 BT-EN604 BT-EN605 BT-EN606 BT-EN805 BT-EN805-L BT-EN806 | BT-E6000 BT-E6001 BT-E8010 BT-E8014 BT-E8016 BT-E8020 BT-E8035 BT-E8035-L BT-E8036 BT-EN404 BT-EN405 BT-EN604 BT-EN605 BT-EN606 BT-EN805 BT-EN805-L BT-EN806 | BT-E6000 BT-E6001 BT-E8010 BT-E8014 BT-E8016 BT-E8020 BT-E8035 BT-E8035-L BT-E8036 BT-EN404 BT-EN405 BT-EN604 BT-EN605 BT-EN606 BT-EN805 BT-EN805-L BT-EN806 | BT-E6000 BT-E6001 BT-E8010 BT-E8014 BT-E8016 BT-E8020 BT-E8035 BT-E8035-L BT-E8036 BT-EN404 BT-EN405 BT-EN604 BT-EN605 BT-EN606 BT-EN805 BT-EN805-L BT-EN806 |
| Compatible voltage | 100 V - 240 V AC, 50 - 60 Hz | 100 V - 240 V AC, 50 - 60 Hz | USA/Canada: 120 V AC, 50 - 60 Hz / Others: 100 - 240 V AC, 50 - 60 Hz | 100 V AC, 50 - 60 Hz | 100 V - 240 V AC, 50 - 60 Hz | 100 V - 240 V AC, 50 - 60 Hz | 100 V - 240 V AC, 50 - 60 Hz | 100 V - 240 V AC, 50 - 60 Hz | 100 V - 240 V AC, 50 - 60 Hz |
| Output | 42 V DC, 4 A | 42 V DC, 4 - 4.6 A | 42 V DC, 4 A | 42 V DC, 4 - 4.6 A | 42 V DC, 4 - 4.6 A | 42 V DC, 4 - 4.6 A | 42 V DC, 4 - 4.6 A | 42 V DC, 4 - 4.6 A | 42 V DC, 1.8 A |
| CE standard | √ | √ | - | - | - | √ | - | - | √ |
| UL1012 | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| Korea standard | √ | - | - | - | - | - | √ | - | √ |
| Japan standard | √ | - | - | √ | - | - | - | - | √ |
| Charging time for 712 Wh battery | Full charge (hour) | 5.2 | - | - | - | - | - | - | - |
| | 80% charge (hour) | 3.4 | - | - | - | - | - | - | - |
| Charging time for 630 Wh (583 Wh in Japan) battery | Full charge (hour) | - | 4.8 (* 5.7) | 5.7 | 5.7 | 4.8 (* 5.7) | 4.8 (* 5.7) | 4.8 (* 5.7) | 10.2 |
| | 80% charge (hour) | - | 3.2 (* 4) | 4 | 4 | 3.2 (* 4) | 3.2 (* 4) | 3.2 (* 4) | 7.5 |
| Charging time for 504 Wh (464 Wh in Japan) battery | Full charge (hour) | - | 4 (* 4.5) | 4.5 | 4.5 | 4 (* 4.5) | 4 (* 4.5) | 4 (* 4.5) | 7.5 |
| | 80% charge (hour) | - | 2.5 (* 3.2) | 3.2 | 3.2 | 2.5 (* 3.2) | 2.5 (* 3.2) | 2.5 (* 3.2) | 4 |
| Charging time for 418 Wh (393 Wh in Japan) battery | Full charge (hour) | - | 3.0 (* 3.5) | 3.5 | 3.5 | 3.0 (* 3.5) | 3.0 (* 3.5) | 3.0 (* 3.5) | 6.5 |
| | 80% charge (hour) | - | 2.0 (* 2.5) | 2.5 | 2.5 | 2.0 (* 2.5) | 2.0 (* 2.5) | 2.0 (* 2.5) | 3.5 |
| Charging level display | - | - | - | - | - | - | - | - | - |
| Plug in charging type | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| Charging temperature | 0 - 40 °C | 0 - 40 °C | 0 - 40 °C | 0 - 40 °C | 0 - 40 °C | 0 - 40 °C | 0 - 40 °C | 0 - 40 °C | 0 - 40 °C |
| Storage temperature | -20 - 60 °C | -20 - 60 °C | -20 - 60 °C | -20 - 60 °C | -20 - 60 °C | -20 - 60 °C | -20 - 60 °C | -20 - 60 °C | -20 - 60 °C |
| Error signal | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| Adapter for battery connector | * - | ** - | * - | * - | ** - | ** - | ** - | ** - | * - |
| Compatible AC power cable | - | - | - | - | - | - | - | - | SM-BCC1 |
| Built in AC cable | - | √ | √ | √ | √ | √ | √ | √ | - |
| Built in AC cable length (m) | - | 2 | 2 | 1 | 1 | 1 | 1 | 1 | - |
| Note | * Check latest line- up chart | * In case of 100 V AC ** Check latest line- up chart | * Check latest line- up chart | * Check latest line- up chart | * In case of 100 V AC ** Check latest line- up chart | * In case of 100 V AC ** Check latest line- up chart | * In case of 100 V AC ** Check latest line- up chart | * In case of 100 V AC ** Check latest line- up chart | * Check latest line- up chart |

Charger cord



SM-BCC1
Battery Charger Cord

| Model no. | SM-BCC1-1 | SM-BCC1-2 | SM-BCC1-3 | SM-BCC1-4 | SM-BCC1-5 | SM-BCC1-6 | SM-BCC1-7 |
|------------------------------------|-----------|---------------|-----------|--------------------------|-----------|-----------|-----------|
| Plug type | Type C | Type A | Type A | Type O | Type A | Type BF | Type C |
| Typical example country/ region | Europe | USA Canada | Japan | Australia New Zealand | China | U.K | Korea |
| Rated power input (V) | 220/230 | 120 | 100 | 240 | 220 | 230/240 | 220 |
| Cable length (m) | 1 | 2 | 1 | 1 | 1 | 1 | 1 |
| Note | | | | | | | |

| Model no. | SM-BCC1-8 | SM-BCC1-9 | SM-BCC1-10 | SM-BCC1-11 | SM-BCC1-12 | SM-BCC1-13 |
|------------------------------------|-----------|--------------|------------|------------|------------|------------|
| Plug type | Type A | Type B3L | Type O | Type C | Type C | Type C |
| Typical example country/ region | Taiwan | South-Africa | Argentina | Israel | Brazil | Thailand |
| Rated power input (V) | 110 | 220/230 | 220 | 230 | 127/220 | 250 |
| Cable length (m) | 1 | 1 | 1 | 1 | 1 | 1 |
| Note | | | | | | |

Satellite system on/off switch



EW-SW310
SD300 Satellite System On/Off Switch



EW-SW300
SD300 Satellite System On/Off Switch



EW-SW100
SD50 Satellite System On/Off Switch
for E-bike

| Model no. | | EW-SW310 | EW-SW300 | EW-SW100 |
|--|------------------|------------|------------|------------|
| Battery management system compatibility | 2nd gen. | √ | - | - |
| | 1st gen. | - | √ | √ |
| Position | | Integrated | Integrated | Integrated |
| Master unit | | - | - | - |
| Switch QTY (pcs) | | 2 | 1 | 1 |
| Electric wire port | SD50 port (pcs) | 0 | 0 | 0 |
| | SD300 port (pcs) | 2 | 0 | 0 |
| Electric wire connector | SD50 type (pc) | 0 | 0 | 1 |
| | SD300 type (pc) | 0 | 1 | 0 |
| Firmware update by E-TUBE PROJECT | | √ | √ | √ |
| Cable length (mm) | | - | 1,100 | 1,100 |
| Note | | | | |

√=Yes

Electric wire & related accessories

< SD300 >



EW-SD300

EW-SD300/EW-SD300-I

Electric Wire SD300 for External Routing

- More compact design makes new electric components smaller and lighter
- Will potentially expand the future capabilities of Di2 systems
- With cable tie type for built-in cable routing (EW-SD300-I)



EW-CB300-L (ø35 mm)

EW-CB300-M (ø31.8 mm)

EW-CB300-S (ø22.2 mm)

Electric Wire SD300 Cord Band



EW-GM300-M



EW-GM300-S

EW-GM300-M

(7 mm x 8 mm Oval)

EW-GM300-S

(6 mm Circle)

Di2 Grommet



EW-CL300-M



EW-CL300-S

EW-CL300-M

(for Brake Hose (ø5 mm))

EW-CL300-S

(for SP Outer Cable (ø4 mm))

Electric Wire SD300 Cord Clip



EW-JC304



EW-JC302

EW-JC304

Internal 4-Port Junction for EW-SD300

EW-JC302

Internal 2-Port Junction for EW-SD300



EW-AD305

EW-AD305

Electric Wire SD300/SD50 Conversion Adaptor



EW-CC300

EW-CC300

Electric Wire SD300 Cord Cover

- Cord cover length: 300 mm



TL-EW300

TL-EW300

Electric Wire SD300 Plug Tool

< SD50 >



EW-SD50

Electric Wire SD50

- Transmits interactive signals and power supply to each electronic components by "plug & gap" connection
- Compact and waterproof connector
- Easy to insert into frame
- Cable length 150 mm - 1600 mm
- With cable tie type for built-in cable routing (EW-SD50-I)



TL-EW02

Plug tool for connection and disconnection of Electric wire (SD50 type)

| | |
|---------------|---|
| Usage | Plug tool for connection and disconnection of EW-SD50 |
| Compatibility | EW-SD50 |

< PC Linkage device >



SM-PCE02

PC Linkage Device

- Battery check option shows if a component's power consumption is within normal range

HYPERGLIDE+ 12-speed drivetrain

XTR


RD-M9260-12
SHIMANO
SHADOW
ES

RD-M9260-12 NEW

XTR Di2 E-MTB Rear Derailleur Long Cage 12s

- » Robust Design: The wide link structure, skid-plate design, durable carbon plate and solid pulley add robustness and derailleur longevity, while the new slim stabilizer design keeps the whole system quiet.
- » RD Protection Function: The new Automatic Impact Recovery function instantly returns the derailleur to its original position after impact.
- » Direct wired: M9260 pulls power from your existing e-bike battery to deliver a constant supply of shifts.
- » AUTO SHIFT E-Bike Technology: Intelligent AUTO SHIFT sensors and HYPERGLIDE+ technology provide smooth, quick gear changes while you pedal so you're always in the right gear.
- » FREE SHIFT E-bike Technology: Keep your speed while the system automatically shifts as you coast or descend.
- » SHIMANO SHADOW ES: Shimano's pioneering chain-stabilizing technology is back and better than ever, offering a slimmer, stronger, chain management evolution of the SHADOW concept.
- » Fast Shifting and Robust Design: Durable XTR derailleur paired with the HYPERGLIDE+ cassette delivers one of the fastest and precise shifting under load experiences available.

NEW v=Yes

| | | | |
|-----------------------------------|--------------------------|-----------------------------------|-----------------|
| Brand | | XTR | |
| Model no. | | RD-M9260-12 | |
| Color | | Series color | |
| Rear speeds | | 12-speed | |
| Compatible chain | | HG 12-speed | |
| RD construction | | SHADOW ES | |
| Applicable derailleur hanger | | UDH standard | |
| Max. front difference | | 0T | |
| Total capacity | | 41T | |
| Low sprocket | Max. | 51T | |
| | Min. | 51T | |
| Top sprocket | Max. | 10T | |
| | Min. | 10T | |
| Fluoric coated link bushings | | 8 | |
| Pulley | Guide pulley bearing | | Sealed Bearing |
| | Tension pulley bearing | | Sealed Bearing |
| | Teeth | | 13T |
| | Screws material | | Stainless steel |
| | Sunken type pulley screw | | √ |
| B-axle | Hollow axle | | √ |
| B-axle 2 | Hollow axle | | - |
| Di2 connectivity wired | Di2 shifting | | √ |
| Di2 connectivity wireless | Di2 shifting | | √ |
| | Bluetooth® LE | Cycling power | - |
| | ANT+ | Bicycle power | - |
| | Bluetooth® LE custom | Adjust mode information | √ |
| | | Di2 battery level | - |
| | | Gear position | √ |
| | | SHIMANO E-BIKE SYSTEMS data items | √ |
| | | Compatible with E-TUBE RIDE | √ |
| | | Compatible with E-TUBE PROJECT | √ |
| | ANT Private | Adjust mode information | √ |
| | | Di2 battery level | - |
| | | Gear position | √ |
| SHIMANO E-BIKE SYSTEMS data items | | √ | |
| SD50 port (pcs) | | 0 | |
| SD300 port (pcs) | | 1 * | |
| SD50 connector (pcs) | | 0 | |
| SD300 connector (pcs) | | 0 | |
| LED for system status | | √ | |
| Power supply | Built-in battery | | - |
| | Wired | | √ |
| Charging port | | - | |
| Charging cable | | - | |
| Note | | * Compatible with EW-PS300 | |

HYPERGLIDE+ 12-speed drivetrain

DEORE XT

RD-M8260-12 **NEW**

DEORE XT Di2 E-MTB Rear Derailleur Long Cage 12s

- » Direct Wired: M8260 pulls power from your existing e-bike battery to deliver a constant supply of shifts.
- » Robust Design: A wide link structure, skid-plate design, durable aluminum plate and solid pulley add robustness and longevity.
- » RD Protection Function: The new Automatic Impact Recovery function instantly returns the derailleur to its original position after impact.
- » SHIMANO SHADOW ES: A slimmer, stronger evolution of SHIMANO's pioneering chain-stabilizing SHADOW RD+ concept.
- » Fast Shifting and Robust Design: Durable DEORE XT derailleur paired with the HYPERGLIDE+ cassette delivers one of the fastest and most precise shifting under load experiences available.
- » E-Bike Technology: Intelligent AUTO SHIFT sensors and HYPERGLIDE+ technology provide smooth, quick gear changes while you pedal so you are always in the right gear.
- » FREE SHIFT E-Bike Technology: Keep your speed and shift whenever. FREE SHIFT technology allows you to shift as you coast on flats or downhill.

NEW

√=Yes

| | | | |
|-----------------------------------|--------------------------|-----------------------------------|----------------------------|
| Brand | | | DEORE XT |
| Model no. | | | RD-M8260-12 |
| Color | | | Series color |
| Rear speeds | | | 12-speed |
| Compatible chain | | | HG 12-speed |
| RD construction | | | SHADOW ES |
| Applicable derailleur hanger | | | UDH standard |
| Max. front difference | | | 0T |
| Total capacity | | | 41T |
| Low sprocket | Max. | | 51T |
| | Min. | | 51T |
| Top sprocket | Max. | | 10T |
| | Min. | | 10T |
| Fluoric coated link bushings | | | 8 |
| Pulley | Guide pulley bearing | | Sealed Bearing |
| | Tension pulley bearing | | Sealed Bearing |
| | Teeth | | 13T |
| | Screws material | | Stainless steel |
| | Sunken type pulley screw | | √ |
| B-axle | Hollow axle | | √ |
| B-axle 2 | Hollow axle | | - |
| Di2 connectivity wired | Di2 shifting | | √ |
| Di2 connectivity wireless | Di2 shifting | | √ |
| | Bluetooth® LE | Cycling power | - |
| | ANT+ | Bicycle power | - |
| | Bluetooth® LE custom | Adjust mode information | √ |
| | | Di2 battery level | - |
| | | Gear position | √ |
| | | SHIMANO E-BIKE SYSTEMS data items | √ |
| | | Compatible with E-TUBE RIDE | √ |
| | | Compatible with E-TUBE PROJECT | √ |
| | ANT Private | Adjust mode information | √ |
| | | Di2 battery level | - |
| | | Gear position | √ |
| SHIMANO E-BIKE SYSTEMS data items | | √ | |
| SD50 port (pcs) | | | 0 |
| SD300 port (pcs) | | | 1 * |
| SD50 connector (pcs) | | | 0 |
| SD300 connector (pcs) | | | 0 |
| LED for system status | | | √ |
| Power supply | Built-in battery | | - |
| | Wired | | √ |
| Charging port | | | - |
| Charging cable | | | - |
| Note | | | * Compatible with EW-PS300 |

DEORE

RD-M6260-12
SHIMANO
SHADOW
ES

RD-M6260-12 NEW

DEORE Di2 E-MTB Rear Derailleur Long Cage 12s

- » Direct Wired: RD-M6260 pulls power from your existing e-bike battery to deliver a constant supply of shifts.
- » Robust Design: A wide link structure, skid-plate design, durable aluminum plate and solid pulley add robustness and longevity.
- » RD Protection Function: The new Automatic Impact Recovery function instantly returns the derailleur to its original position after impact.
- » SHIMANO SHADOW ES: A slimmer, stronger evolution of SHIMANO's pioneering chain-stabilizing SHADOW RD+ concept.
- » Fast Shifting and Robust Design: Durable DEORE derailleur paired with the HYPERGLIDE+ cassette delivers fast and precise shifting under load experiences available.
- » AUTO SHIFT E-Bike Technology: Intelligent AUTO SHIFT sensors and HYPERGLIDE+ technology provide smooth, quick gear changes while you pedal so you are always in the right gear.
- » FREE SHIFT E-Bike Technology: Keep your speed and shift whenever. FREE SHIFT technology allows you to shift as you coast on flats or downhill.

NEW

√=Yes

| | | | |
|-----------------------------------|--------------------------|-----------------------------------|-----------------|
| Brand | | DEORE | |
| Model no. | | RD-M6260-12 | |
| Color | | Series color | |
| Rear speeds | | 12-speed | |
| Compatible chain | | HG 12-speed | |
| RD construction | | SHADOW ES | |
| Applicable derailleur hanger | | UDH standard | |
| Max. front difference | | 0T | |
| Total capacity | | 41T | |
| Low sprocket | Max. | 51T | |
| | Min. | 51T | |
| Top sprocket | Max. | 10T | |
| | Min. | 10T | |
| Fluoric coated link bushings | | 8 | |
| Pulley | Guide pulley bearing | | Sealed Bearing |
| | Tension pulley bearing | | Sealed Bearing |
| | Teeth | | 13T |
| | Screws material | | Stainless steel |
| | Sunken type pulley screw | | √ |
| B-axle | Hollow axle | | √ |
| B-axle 2 | Hollow axle | | - |
| Di2 connectivity wired | Di2 shifting | | √ |
| Di2 connectivity wireless | Di2 shifting | | √ |
| | Bluetooth® LE | Cycling power | - |
| | ANT+ | Bicycle power | - |
| | Bluetooth® LE custom | Adjust mode information | √ |
| | | Di2 battery level | - |
| | | Gear position | √ |
| | | SHIMANO E-BIKE SYSTEMS data items | √ |
| | | Compatible with E-TUBE RIDE | √ |
| | | Compatible with E-TUBE PROJECT | √ |
| | ANT Private | Adjust mode information | √ |
| | | Di2 battery level | - |
| | | Gear position | √ |
| SHIMANO E-BIKE SYSTEMS data items | | √ | |
| SD50 port (pcs) | | 0 | |
| SD300 port (pcs) | | 1 * | |
| SD50 connector (pcs) | | 0 | |
| SD300 connector (pcs) | | 0 | |
| LED for system status | | √ | |
| Power supply | Built-in battery | | - |
| | Wired | | √ |
| Charging port | | - | |
| Charging cable | | - | |
| Note | | * Compatible with EW-PS300 | |

LINKGLIDE 11/10/9-speed drivetrain

XTR



RD-M9260-11L
SHIMANO
SHADOW
ES
LINKGLIDE

RD-M9260-11L **NEW**

XTR Di2 E-MTB Rear Derailleur Long Cage 11s LINKGLIDE

- » Robust Design: The wide link structure, skid-plate design, durable carbon plate and solid pulley add robustness and derailleur longevity, while the new slim stabilizer design keeps the whole system quiet.
- » RD Protection Function: The new Automatic Impact Recovery function instantly returns the derailleur to its original position after impact.
- » LINKGLIDE Compatible: Added derailleur durability combined with a LINKGLIDE cassette extends the drivetrain's lifespan.
- » Direct Wired: M9260 pulls power from your existing e-bike battery to deliver a constant supply of shifts.
- » AUTO SHIFT E-Bike Technology: Intelligent AUTO SHIFT sensors and LINKGLIDE technology provide smooth, quick gear changes while you pedal so you're always in the right gear.
- » FREE SHIFT E-bike Technology: Keep your speed while the system automatically shifts as you coast or descend.
- » SHIMANO SHADOW ES: Shimano's pioneering chain-stabilizing technology is back and better than ever, offering a slimmer, stronger, chain management evolution of the SHADOW concept.

NEW

√=Yes

| | | | | |
|------------------------------|--------------------------|-----------------------------------|----------------------------|-----|
| Brand | | | XTR | |
| Model no. | | | RD-M9260-11L | |
| Color | | | Series color | |
| Rear speeds | | | 11-speed | |
| Compatible chain | | | LINKGLIDE, HG 11-speed | |
| RD construction | | | SHADOW ES | |
| Applicable derailleur hanger | | | UDH standard | |
| Max. front difference | | | 0T | |
| Total capacity | | | 39T | |
| Low sprocket | Max. | | 50T | |
| | Min. | | 50T | |
| Top sprocket | Max. | | 11T | |
| | Min. | | 11T | |
| Fluoric coated link bushings | | | 8 | |
| Pulley | Guide pulley bearing | | Sealed Bearing | |
| | Tension pulley bearing | | Sealed Bearing | |
| | Teeth | | 13T | |
| | Screws material | | Stainless steel | |
| | Sunken type pulley screw | | √ | |
| B-axle | Hollow axle | | √ | |
| B-axle 2 | Hollow axle | | - | |
| Di2 connectivity wired | Di2 shifting | | √ | |
| Di2 connectivity wireless | Di2 shifting | | √ | |
| | Bluetooth® LE | Cycling power | - | |
| | ANT+ | Bicycle power | - | |
| | Bluetooth® LE custom | Adjust mode information | √ | |
| | | Di2 battery level | - | |
| | | Gear position | √ | |
| | | SHIMANO E-BIKE SYSTEMS data items | √ | |
| | | Compatible with E-TUBE RIDE | √ | |
| | | Compatible with E-TUBE PROJECT | √ | |
| | ANT Private | Adjust mode information | √ | |
| | | Di2 battery level | - | |
| | | Gear position | √ | |
| | | SHIMANO E-BIKE SYSTEMS data items | √ | |
| | SD50 port (pcs) | | | 0 |
| | SD300 port (pcs) | | | 1 * |
| SD50 connector (pcs) | | | 0 | |
| SD300 connector (pcs) | | | 0 | |
| LED for system status | | | √ | |
| Power supply | Built-in battery | | - | |
| | Wired | | √ | |
| Charging port | | | - | |
| Charging cable | | | - | |
| Note | | | * Compatible with EW-PS300 | |

DEORE XT



RD-M8260-11L

SHIMANO
SHADOW
ES

LINKGLIDE

RD-M8260-11L **NEW**DEORE XT Di2 E-MTB Rear Derailleur Long Cage 11s
LINKGLIDE

- » Direct Wired: M8260 pulls power from your existing e-bike battery to deliver a constant supply of shifts.
- » Robust Design: A wide link structure, skid-plate design, durable aluminum plate, and solid pulley add robustness and longevity.
- » RD Protection Function: The new Automatic Impact Recovery function instantly returns the derailleur to its original position after impact.
- » SHIMANO SHADOW ES: A slimmer, stronger evolution of SHIMANO's pioneering chain-stabilizing SHADOW RD+ concept.
- » Durable Design: Added derailleur durability combined with a LINKGLIDE cassette extends the drivetrain's lifespan.
- » AUTO SHIFT E-Bike Technology: Intelligent AUTO SHIFT sensors and LINKGLIDE technology provide smooth, quick gear changes while you pedal so you are always in the right gear.
- » FREE SHIFT E-Bike Technology: Keep your speed and shift whenever. FREE SHIFT technology allows you to shift as you coast on flats or downhill.

| | | | |
|------------------------------|--------------------------|-----------------------------------|-------|
| | | NEW | v=Yes |
| Brand | | DEORE XT | |
| Model no. | | RD-M8260-11L | |
| Color | | Series color | |
| Rear speeds | | 11-speed | |
| Compatible chain | | LINKGLIDE, HG 11-speed | |
| RD construction | | SHADOW ES | |
| Applicable derailleur hanger | | UDH standard | |
| Max. front difference | | 0T | |
| Total capacity | | 39T | |
| Low sprocket | Max. | 50T | |
| | Min. | 50T | |
| Top sprocket | Max. | 11T | |
| | Min. | 11T | |
| Fluoroc coated link bushings | | 8 | |
| Pulley | Guide pulley bearing | Sealed Bearing | |
| | Tension pulley bearing | Sealed Bearing | |
| | Teeth | 13T | |
| | Screws material | Stainless steel | |
| | Sunken type pulley screw | √ | |
| B-axle | Hollow axle | √ | |
| B-axle 2 | Hollow axle | - | |
| Di2 connectivity | Di2 shifting | | √ |
| | Di2 shifting | | √ |
| | Bluetooth® LE | Cycling power | - |
| | ANT+ | Bicycle power | - |
| | Bluetooth® LE custom | Adjust mode information | √ |
| | | Di2 battery level | - |
| | | Gear position | √ |
| | | SHIMANO E-BIKE SYSTEMS data items | √ |
| | | Compatible with E-TUBE RIDE | √ |
| | | Compatible with E-TUBE PROJECT | √ |
| | ANT Private | Adjust mode information | √ |
| | | Di2 battery level | - |
| | | Gear position | √ |
| | | SHIMANO E-BIKE SYSTEMS data items | √ |
| | SD50 port (pcs) | | 0 |
| | SD300 port (pcs) | | 1 * |
| | SD50 connector (pcs) | | 0 |
| | SD300 connector (pcs) | | 0 |
| | LED for system status | | √ |
| Power supply | Built-in battery | | - |
| | Wired | | √ |
| Charging port | | - | |
| Charging cable | | - | |
| Note | | * Compatible with EW-PS300 | |

LINKGLIDE 11/10/9-speed drivetrain

DEORE


RD-M6260-11L
SHIMANO
SHADOW
ES
Di2
LINKGLIDE

RD-M6260-11L **NEW**

DEORE Di2 E-MTB Rear Derailleur Long Cage 11s
LINKGLIDE

- » Direct Wired: M6260 pulls power from your existing e-bike battery to deliver a constant supply of shifts.
- » Robust Design: A wide link structure, skid-plate design, durable aluminum plate and solid pulley add robustness and longevity.
- » RD Protection Function: The new Automatic Impact Recovery function instantly returns the derailleur to its original position after impact.
- » SHIMANO SHADOW ES: A slimmer, stronger evolution of SHIMANO's pioneering chain-stabilizing SHADOW RD+ concept.
- » Durable Design: Added derailleur durability combined with a LINKGLIDE cassette extends the drivetrain's lifespan.
- » AUTO SHIFT E-Bike Technology: Intelligent AUTO SHIFT sensors and LINKGLIDE technology provide smooth, quick gear changes while you pedal so you are always in the right gear.
- » FREE SHIFT E-Bike Technology: Keep your speed and shift whenever. FREE SHIFT technology allows you to shift as you coast on flats or downhill.

NEW √=Yes

| | | | |
|-----------------------------------|------------------------|-----------------------------------|----------------------------|
| Brand | | | DEGRE |
| Model no. | | | RD-M6260-11L |
| Color | | | Series color |
| Rear speeds | | | 11-speed |
| Compatible chain | | | LINKGLIDE, HG 11-speed |
| RD construction | | | SHADOW ES |
| Applicable derailleur hanger | | | UDH standard |
| Max. front difference | | | 0T |
| Total capacity | | | 39T |
| Low sprocket | Max. | | 50T |
| | Min. | | 50T |
| Top sprocket | Max. | | 11T |
| | Min. | | 11T |
| Fluoric coated link bushings | | | 8 |
| Pulley | Guide pulley bearing | | Sealed Bearing |
| | Tension pulley bearing | | Sealed Bearing |
| | Teeth | | 13T |
| | Screws material | | Stainless steel |
| Sunken type pulley screw | | | √ |
| B-axle | Hollow axle | | √ |
| B-axle 2 | Hollow axle | | - |
| Di2 connectivity wired | Di2 shifting | | √ |
| Di2 connectivity wireless | Di2 shifting | | √ |
| | Bluetooth® LE | Cycling power | - |
| | ANT+ | Bicycle power | - |
| | Bluetooth® LE custom | Adjust mode information | √ |
| | | Di2 battery level | - |
| | | Gear position | √ |
| | | SHIMANO E-BIKE SYSTEMS data items | √ |
| | | Compatible with E-TUBE RIDE | √ |
| | | Compatible with E-TUBE PROJECT | √ |
| | ANT Private | Adjust mode information | √ |
| | | Di2 battery level | - |
| | | Gear position | √ |
| SHIMANO E-BIKE SYSTEMS data items | | √ | |
| SD50 port (pcs) | | | 0 |
| SD300 port (pcs) | | | 1 * |
| SD50 connector (pcs) | | | 0 |
| SD300 connector (pcs) | | | 0 |
| LED for system status | | | √ |
| Power supply | Built-in battery | | - |
| | Wired | | √ |
| Charging port | | | - |
| Charging cable | | | - |
| Note | | | * Compatible with EW-PS300 |

SHIMANO
DEORE XT

RD-M8130-SGS



LINKGLIDE

RD-M8130-SGS

SHIMANO SHADOW RD+ (1x11-speed)

- Smooth & decisive shift performance
 - » Smoother shifting
 - System designed to integrate with LINKGLIDE cassettes
 - » Rear derailleur stabilizer reduces chain slap and improves chain stability
 - » Low-profile design is optimized for rough terrain
- Total capacity: 39T

SHIMANO
DEORE

RD-M5130-GS



LINKGLIDE

RD-M5130-GS

SHIMANO SHADOW RD+ (1x10-speed)

- Smooth & decisive shift performance
 - » Smoother shifting
 - System designed to integrate with LINKGLIDE cassettes
 - » Rear derailleur stabilizer reduces chain slap and improves chain stability
 - » Low-profile design is optimized for rough terrain
- Total capacity: 32T

√=Yes

| Brand | | SHIMANO DEORE XT | SHIMANO DEORE |
|------------------------------|--------------------------|----------------------------------|----------------------------------|
| Model no. | | RD-M8130-SGS | RD-M5130-GS |
| Color | | Series color | Series color |
| Rear speeds | | 11-speed | 10-speed |
| Compatible chain | | LINKGLIDE, HG 11-speed | LINKGLIDE, HG 11-speed |
| RD construction | | SHIMANO SHADOW RD+ | SHIMANO SHADOW RD+ |
| Applicable derailleur hanger | SHIMANO MTB type | Direct attachment (conventional) | Direct attachment (conventional) |
| | Other | UDH standard | UDH standard |
| Mode converter | | - | - |
| Cable adjuster | | - | - |
| Max. front difference | | 0T | 0T |
| Total capacity | | 39T | 32T |
| Low sprocket | Max. | 50T | 43T |
| | Min. | 50T | 43T |
| Top sprocket | Max. | 11T | 11T |
| | Min. | 11T | 11T |
| Fluoric coated link bushings | | 7 | 7 |
| Pulley | Guide pulley bearing | Sealed Bearing | Bush |
| | Tension pulley bearing | Sealed Bearing | Bush |
| | Teeth | 13T | 13T |
| | Screws material | Stainless steel | Stainless steel |
| | Sunken type pulley screw | √ | √ |
| B-axle | Hollow axle | √ | - |
| | Material | Stainless steel | Stainless steel |
| | Finish | - | - |
| B-axle 2 | Hollow axle | - | - |
| | Material | - | - |
| | Finish | - | - |
| Bracket body | Material | Aluminum | Aluminum |
| | Finish | Painted | Painted |
| P-axle | Material | Steel | Steel |
| | Finish | - | - |
| Plate body | Material | GFRP | GFRP |
| | Finish | - | - |
| Outer link | Material | Aluminum | Aluminum |
| | Finish | Painted | Painted |
| Inner link | Material | Aluminum | Aluminum |
| | Finish | Painted | Painted |
| Outer plate | Material | Aluminum | Steel |
| | Finish | Painted | Painted |
| Inner plate | Material | Aluminum | Steel |
| | Finish | Painted | Painted |
| Cable fixing screw | Material | Stainless steel | Stainless steel |
| | Finish | - | - |
| Stroke adjusting screw | Material | Steel | Steel |
| | Finish | Plated | Plated |
| Average weight (g) | | 308 | - |
| Note | | w/Bumper on pully cage | - |

LINKGLIDE 11/10/9-speed drivetrain

√=Yes

SHIMANO
CUES

RD-U6070

SHIMANO SHADOW RD

Di2
DIGITAL INTEGRATED INTELLIGENCE

LINKGLIDE

RD-U6070

SHIMANO CUES Di2 LINKGLIDE Rear Derailleur 1x11-speed

- Automatic shifting compatibility lets anyone enjoy fun and sporty action without being an expert
 - » Compatible with LINKGLIDE 11-50T 11-speed CS
- Always be ready for action in the right gear with SHIMANO E-BIKE SYSTEMS enabled FREE SHIFT
- Automatic shifting without pedaling

SHIMANO
CUES

RD-U6050

SHIMANO SHADOW RD

Di2
DIGITAL INTEGRATED INTELLIGENCE

LINKGLIDE

RD-U6050

SHIMANO CUES Di2 LINKGLIDE Rear Derailleur 1x10-speed

- Automatic shifting compatibility lets anyone enjoy fun and sporty action without being an expert
 - » Compatible with LINKGLIDE 11-43T 10-speed CS
- Always be ready for action in the right gear with SHIMANO E-BIKE SYSTEMS enabled FREE SHIFT
- Automatic shifting without pedaling

| Brand | | SHIMANO CUES | SHIMANO CUES |
|-----------------------------------|--------------------------|----------------------------------|----------------------------------|
| Model no. | | RD-U6070 | RD-U6050 |
| Color | | Series color | Series color |
| Rear speeds | | 11-speed | 10-speed |
| RD construction | | SHIMANO SHADOW RD | SHIMANO SHADOW RD |
| Applicable derailleur hanger | SHIMANO MTB type | Direct attachment (conventional) | Direct attachment (conventional) |
| | Other | UDH standard | UDH standard |
| Max. front difference | | Single | Single |
| Total capacity | | 39T | 32T |
| Low sprocket | Max. | 50T | 43T |
| | Min. | 50T | 43T |
| Top sprocket | Max. | 11T | 11T |
| | Min. | 11T | 11T |
| Fluoric coated link bushings | | 2 | 2 |
| Pulley | Guide pulley bearing | - | - |
| | Tension pulley bearing | - | - |
| | Teeth | 11T | 11T |
| | Screws material | Stainless steel | Stainless steel |
| | Sunken type pulley screw | √ | √ |
| Bracket | Material | Steel | Steel |
| | Finish | Painted | Painted |
| B-axle | Hollow axle | √ | √ |
| | Material | Stainless steel | Stainless steel |
| | Finish | Painted | Painted |
| B-axle 2 | Hollow axle | - | - |
| | Material | Stainless steel | Stainless steel |
| | Finish | Painted | Painted |
| Bracket body | Material | Aluminum | Aluminum |
| | Finish | Painted | Painted |
| P-axle | Material | Steel | Steel |
| | Finish | Plated | Plated |
| Plate body | Material | PA+GF | PA+GF |
| | Finish | - | - |
| Outer link | Material | PA+GF | PA+GF |
| | Finish | Painted | Painted |
| Inner link | Material | Steel | Steel |
| | Finish | Painted | Painted |
| Outer plate | Material | Steel | Steel |
| | Finish | Painted | Painted |
| Inner plate | Material | Steel | Steel |
| | Finish | Painted | Painted |
| Stroke adjusting screw | Material | Steel | Steel |
| | Finish | Plated | Plated |
| Di2 connectivity wired | Di2 shifting | √ | √ |
| Firmware update by E-TUBE PROJECT | | √ | √ |
| SD50 port (pcs) | | 0 | 0 |
| SD300 port (pcs) | | 1 | 1 |
| SD50 connector (pcs) | | 0 | 0 |
| SD300 connector (pcs) | | 0 | 0 |
| LED for system status | | √ | √ |
| Charging port | | - | - |
| Charging cable | | - | - |
| Note | | | |

SHIMANO
CUES

RD-U8000



RD-U8000

SHIMANO CUES SHADOW RD+ Rear Derailleur 11-speed

- Seamless shifting and pedaling performance that's made to last
 - » Chain stabilizer reduces chain drop, slap and noise
 - » Low-profile design protects rear derailleur from obstacles in a wide variety of riding scenes
 - » Stylish and polished aluminum finish with machine-cut textures
 - » Total capacity: 39T

SHIMANO
CUES

RD-U8020



RD-U8020

SHIMANO CUES SHADOW RD+ Rear Derailleur 11-speed

- Seamless shifting and pedaling performance that's made to last
 - » Chain stabilizer reduces chain drop, slap and noise
 - » Low-profile design is optimized for rough terrain
 - » Stylish, polished and machine-cut aluminum textures
 - » Total capacity: 48T

√=Yes

| Brand | | SHIMANO CUES | SHIMANO CUES |
|------------------------------------|--------------------------|-------------------------------------|-------------------------------------|
| Model no. | | RD-U8000 | RD-U8020 |
| Color | | Series color | Series color |
| Rear speeds | | 11-speed | 11-speed |
| Compatible chain | | LINKGLIDE, HG 11-speed | LINKGLIDE, HG 11-speed |
| RD construction | | SHIMANO SHADOW RD+ | SHIMANO SHADOW RD+ |
| Applicable derailleur hanger | SHIMANO MTB type | Direct attachment (conventional) | Direct attachment (conventional) |
| | Other | UDH standard | UDH standard |
| Mode converter | | - | - |
| Cable adjuster | | √ | √/- |
| Max. front difference | | 0T | 14T |
| Total capacity | | 39T | 48T |
| Low sprocket | Max. | 50T | 45T |
| | Min. | 50T | 45T |
| Top sprocket | Max. | 11T | 11T |
| | Min. | 11T | 11T |
| Fluoric coated link bushings | | 4 | 4 |
| Pulley | Guide pulley bearing | Sealed Bearing | Sealed Bearing |
| | Tension pulley bearing | Sealed Bearing | - |
| | Teeth | 13/13T | 11/13T |
| | Screws material | Steel | Steel |
| | Sunken type pulley screw | √ | √ |
| Bracket | Material | - | - |
| | Finish | - | - |
| B-axle | Hollow axle | - | - |
| | Material | Aluminum | Aluminum |
| | Finish | Black | Black |
| B-axle 2 | Hollow axle | - | - |
| | Material | - | - |
| | Finish | - | - |
| Bracket body | Material | Aluminum | Aluminum |
| | Finish | Painted | Painted |
| P-axle | Material | Steel | Steel |
| | Finish | - | - |
| Plate body | Material | PA+GF | PA+GF |
| | Finish | - | - |
| Outer link | Material | Aluminum | Aluminum |
| | Finish | Painted | Painted |
| Inner link | Material | Aluminum | Aluminum |
| | Finish | Painted | Painted |
| Outer plate | Material | Aluminum | Aluminum |
| | Finish | Painted | Painted |
| Inner plate | Material | Aluminum | Aluminum |
| | Finish | Painted | Painted |
| Cable fixing screw | Material | Stainless steel | Stainless steel |
| | Finish | Black | Black |
| Stroke adjusting screw | Material | Steel | Steel |
| | Finish | Plated | Plated |
| Average weight (g) | | - | - |
| Note | | E-bike rated | E-bike rated |

LINKGLIDE 11/10/9-speed drivetrain

√=Yes

SHIMANO
CUES

RD-U6000



RD-U6000

SHIMANO CUES SHADOW RD+ Rear Derailleur 10/11-speed

- Stable drivetrain performance on trails, gravel, and city streets
 - » Chain stabilizer reduces chain drop, slap and noise
 - » Low-profile design is optimized for rough terrain
 - » Total capacity: 39T
 - » Max low sprocket: 50T (1x11-speed), 48T (1x10-speed)
- Designed and tested to provide enduring e-biking performance
 - E-BIKE RATED

SHIMANO
CUES

RD-U6020-11



RD-U6020-11

SHIMANO CUES SHADOW RD Rear Derailleur 11-speed

- Stable drivetrain performance on trails, gravel, and city streets
 - » Low-profile design protects rear derailleur from obstacles in a wide variety of riding scenes
 - » Total capacity: 48T
 - » Max low sprocket: 45T (2x11-speed)
- Designed and tested to provide enduring e-biking performance
 - E-BIKE RATED

| Brand | | SHIMANO CUES | SHIMANO CUES |
|------------------------------|--------------------------|----------------------------------|----------------------------------|
| Model no. | | RD-U6000 | RD-U6020-11 |
| Color | 1 | Series color | Series color |
| | 2 | NEW Polished Silver | - |
| Rear speeds | | 11/10-speed | 11-speed |
| Compatible chain | | LINKGLIDE, HG 11-speed | LINKGLIDE, HG 11-speed |
| RD construction | | SHIMANO SHADOW RD+ | SHIMANO SHADOW RD |
| Applicable derailleur hanger | SHIMANO MTB type | Direct attachment (conventional) | Direct attachment (conventional) |
| | Other | UDH standard | UDH standard |
| Mode converter | | - | - |
| Cable adjuster | | √ | √/- |
| Max. front difference | | 0T | 14T |
| Total capacity | | 39T | 48T |
| Low sprocket | Max. | 50T | 45T |
| | Min. | 48T | 45T |
| Top sprocket | Max. | 11T | 11T |
| | Min. | 11T | 11T |
| Fluoric coated link bushings | | 3 | 3 |
| Pulley | Guide pulley bearing | - | - |
| | Tension pulley bearing | - | - |
| | Teeth | 13/13T | 11/13T |
| | Screws material | Steel | Steel |
| | Sunken type pulley screw | √ | √ |
| Bracket | Material | - | - |
| | Finish | - | - |
| B-axle | Hollow axle | - | - |
| | Material | Stainless steel | Stainless steel |
| | Finish | - | - |
| B-axle 2 | Hollow axle | - | - |
| | Material | - | - |
| | Finish | - | - |
| Bracket body | Material | Aluminum | Aluminum |
| | Finish | Painted | Painted |
| P-axle | Material | Steel | Steel |
| | Finish | - | - |
| Plate body | Material | PA+GF | PA+GF |
| | Finish | - | - |
| Outer link | Material | Aluminum | PA+GF |
| | Finish | Painted | Painted |
| Inner link | Material | Aluminum | PA+GF |
| | Finish | Painted | - |
| Outer plate | Material | Steel | Steel |
| | Finish | Painted | Painted |
| Inner plate | Material | Steel | Steel |
| | Finish | Painted | Painted |
| Cable fixing screw | Material | Stainless steel | Stainless steel |
| | Finish | - | - |
| Stroke adjusting screw | Material | Steel | Steel |
| | Finish | Plated | Plated |
| Average weight [g] | | - | - |
| Note | | E-bike rated | E-bike rated |

SHIMANO
CUES

RD-U6020-10



RD-U6020-10

SHIMANO CUES SHADOW RD Rear Derailleur 10-speed

- Stable drivetrain performance on trails, gravel, and city streets
 - » Low-profile design protects rear derailleur from obstacles in a wide variety of riding scenes
 - » Total capacity: 44T
 - » Max low sprocket: 39T (2x10-speed)
- Designed and tested to provide enduring e-biking performance
 - E-BIKE RATED

SHIMANO
CUES

RD-U4000



RD-U4000

SHIMANO CUES SHADOW RD Rear Derailleur 9-speed

- Stable drivetrain performance on trails, gravel, and city streets
 - » Optimized geometry and spring tension reduce chain drop
 - » Low-profile design is optimized for rough terrain
 - » Total capacity: 35T
 - » Max low sprocket: 46T
 - Min low sprocket: 41T
- Designed and tested to provide enduring e-biking performance
 - E-BIKE RATED

√=Yes

| Brand | | SHIMANO CUES | SHIMANO CUES |
|------------------------------------|--------------------------|-------------------------------------|-------------------------------------|
| Model no. | | RD-U6020-10 | RD-U4000 |
| Color | | Series color | Series color |
| Rear speeds | | 10-speed | 9-speed |
| Compatible chain | | LINKGLIDE, HG 11-speed | LINKGLIDE, HG 11-speed |
| RD construction | | SHIMANO SHADOW RD | SHIMANO SHADOW RD |
| Applicable derailleur hanger | SHIMANO MTB type | Direct attachment (conventional) | Direct attachment (conventional) |
| | Other | UDH standard | UDH standard |
| Mode converter | | - | - |
| Cable adjuster | | √/- | √ |
| Max. front difference | | 16T | 0T |
| Total capacity | | 44T | 35T |
| Low sprocket | Max. | 39T | 46T |
| | Min. | 39T | 41T |
| Top sprocket | Max. | 11T | 11T |
| | Min. | 11T | 11T |
| Fluoric coated link bushings | | 3 | 1 |
| Pulley | Guide pulley bearing | - | - |
| | Tension pulley bearing | - | - |
| | Teeth | 11/13T | 13/13T |
| | Screws material | Steel | Steel |
| | Sunken type pulley screw | √ | √ |
| Bracket | Material | - | - |
| | Finish | - | - |
| B-axle | Hollow axle | - | - |
| | Material | Stainless steel | Stainless steel |
| | Finish | - | - |
| B-axle 2 | Hollow axle | - | - |
| | Material | - | - |
| | Finish | - | - |
| Bracket body | Material | Aluminum | Aluminum |
| | Finish | Painted | Painted |
| P-axle | Material | Steel | Steel |
| | Finish | - | - |
| Plate body | Material | PA+GF | PA+GF |
| | Finish | - | - |
| Outer link | Material | PA+GF | PA+GF |
| | Finish | Painted | - |
| Inner link | Material | PA+GF | Aluminum |
| | Finish | - | Painted |
| Outer plate | Material | Steel | Steel |
| | Finish | Painted | Painted |
| Inner plate | Material | Steel | Steel |
| | Finish | Painted | Painted |
| Cable fixing screw | Material | Stainless steel | Stainless steel |
| | Finish | - | - |
| Stroke adjusting screw | Material | Steel | Steel |
| | Finish | Plated | Plated |
| Average weight (g) | | - | - |
| Note | | E-bike rated | E-bike rated |

LINKGLIDE 11/10/9-speed drivetrain

SHIMANO
CUES



RD-U4020



LINKGLIDE

RD-U4020

SHIMANO CUES SHADOW RD Rear Derailleur 9-speed

- Stable drivetrain performance on trails, gravel, and city streets
 - » Low-profile design protects rear derailleur from obstacles in a wide variety of riding scenes
 - » Total capacity: 41T
 - » Max low sprocket: 36T (2x9-speed)
- Designed and tested to provide enduring e-biking performance
 - E-BIKE RATED

SHIMANO
CUES



RD-U3020



LINKGLIDE

RD-U3020

SHIMANO CUES SHADOW RD Rear Derailleur 9-speed

- Stable drivetrain performance on trails, gravel, and city streets
 - » Low-profile design protects rear derailleur from obstacles in a wide variety of riding scenes
 - » Total capacity: 41T
 - » Max low sprocket: 36T (2x9-speed)

√=Yes

| Brand | | SHIMANO CUES | SHIMANO CUES |
|------------------------------------|--------------------------|-------------------------------------|-------------------------------------|
| Model no. | | RD-U4020 | RD-U3020 |
| Color | | Series color | Series color |
| Rear speeds | | 9-speed | 9-speed |
| Compatible chain | | LINKGLIDE, HG 11-speed | LINKGLIDE, HG 11-speed |
| RD construction | | SHIMANO SHADOW RD | SHIMANO SHADOW RD |
| Applicable derailleur hanger | SHIMANO MTB type | Direct attachment (conventional) | Direct attachment (conventional) |
| | Other | UDH standard | UDH standard |
| Mode converter | | - | - |
| Cable adjuster | | √/- | √/- |
| Max. front difference | | 16T | 16T |
| Total capacity | | 41T | 41T |
| Low sprocket | Max. | 36T | 36T |
| | Min. | 36T | 36T |
| Top sprocket | Max. | 11T | 11T |
| | Min. | 11T | 11T |
| Fluoric coated link bushings | | 1 | - |
| Pulley | Guide pulley bearing | - | - |
| | Tension pulley bearing | - | - |
| | Teeth | 11/11T | 11/11T |
| | Screws material | Steel | Steel |
| | Sunken type pulley screw | √ | √ |
| Bracket | Material | - | - |
| | Finish | - | - |
| B-axle | Hollow axle | - | - |
| | Material | Stainless steel | Stainless steel |
| | Finish | - | - |
| B-axle 2 | Hollow axle | - | - |
| | Material | - | - |
| | Finish | - | - |
| Bracket body | Material | Aluminum | Aluminum |
| | Finish | Painted | Painted |
| P-axle | Material | Steel | Steel |
| | Finish | - | - |
| Plate body | Material | PA+GF | PA+GF |
| | Finish | - | - |
| Outer link | Material | PA+GF | PA+GF |
| | Finish | - | - |
| Inner link | Material | PA+GF | PA+GF |
| | Finish | - | - |
| Outer plate | Material | Steel | Steel |
| | Finish | Painted | Painted |
| Inner plate | Material | Steel | Steel |
| | Finish | Painted | Painted |
| Cable fixing screw | Material | Stainless steel | Stainless steel |
| | Finish | - | - |
| Stroke adjusting screw | Material | Steel | Steel |
| | Finish | Plated | Plated |
| Average weight [g] | | - | - |
| Note | | E-bike rated | |



CS-LG700-11



CS-LG700-11

SHIMANO LINKGLIDE Cassette 11-speed

- Aluminum spider significantly reduces cassette weight
- Go further with smooth and long-lasting e-biking performance
 - » Up to three times the durability of HYPERGLIDE in high chain tension conditions
- Smooth 2-way shifting (inward and outward) with reduced pedal shock
 - LINKGLIDE
- Gear combination: 11-45T: (11-13-15-17-20-23-26-30-34-39-45T), 11-50T: (11-13-15-17-20-23-26-30-36-43-50T)



CS-LG400-11



CS-LG400-11

SHIMANO LINKGLIDE Cassette 11-speed

- Go further with smooth and long-lasting e-biking performance
 - » Up to three times the durability of HYPERGLIDE in high chain tension conditions
- Smooth 2-way shifting (inward and outward) with reduced pedal shock
 - LINKGLIDE
 - » Premium metallic design
- Gear combination: 11-45T: (11-13-15-17-20-23-26-30-34-39-45T), 11-50T: (11-13-15-17-20-23-26-30-36-43-50T)

√=Yes

| Brand | | SHIMANO | SHIMANO |
|--------------------------------|--|-----------------------------------|-----------------------------------|
| Model no. | | CS-LG700-11 | CS-LG400-11 |
| Type | | LINKGLIDE | LINKGLIDE |
| Rear speeds | | 11-speed | 11-speed |
| Compatible chain | | LINKGLIDE, HG 11-speed | LINKGLIDE, HG 11-speed |
| Combination name (Group name) | | 11-45T 11-50T | 11-45T 11-50T |
| Combination * Titanium gear | 1 | 11-13-15-17-20-23-26-30-34-39-45T | 11-13-15-17-20-23-26-30-34-39-45T |
| | 2 | 11-13-15-17-20-23-26-30-36-43-50T | 11-13-15-17-20-23-26-30-36-43-50T |
| | 3 | - | - |
| | 4 | - | - |
| | 5 | - | - |
| | 6 | - | - |
| | 7 | - | - |
| Spline type | MICRO SPLINE | - | - |
| | HG spline L2 (ROAD 12-speed dedicated) | - | - |
| | HG spline L (ROAD 12/11-speed) | - | - |
| | HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210) | √ * | √ * |
| | HG spline S (7-speed) | - | - |
| Carbon spider arm | QTY (pcs) | - | - |
| | Finish | - | - |
| Aluminum spider arm | QTY (pcs) | 1 | - |
| | Finish | Painted | - |
| Steel spider arm | QTY (pcs) | - | - |
| | Finish | - | - |
| Titanium gear | QTY (pcs) | - | - |
| | Finish | - | - |
| Aluminum gear | QTY (pcs) | - | - |
| | Finish | - | - |
| Steel gear | QTY (pcs) | 11 | 11 |
| | Finish | Plated | Plated |
| Lock ring | Material | Aluminum | Steel |
| | Finish | Anodized | Plated |
| Note | | * Follow compatibility chart | * Follow compatibility chart |

LINKGLIDE 11/10/9-speed drivetrain

√=Yes



CS-LG400-10



CS-LG400-10

SHIMANO LINKGLIDE Cassette 10-speed

- Go further with smooth and long-lasting e-biking performance
 - » Up to three times the durability of HYPERGLIDE in high chain tension conditions
- Smooth 2-way shifting (inward and outward) with reduced pedal shock
 - LINKGLIDE
 - » Premium metallic design
- Gear combination: 11-39T: (11-13-15-17-20-23-26-30-34-39T), 11-43T: (11-13-15-17-20-23-26-30-36-43T), 11-48T: (11-13-15-17-20-23-28-34-41-48T)



CS-LG300-10



CS-LG300-10

SHIMANO LINKGLIDE Cassette 10-speed

- Go further with smooth and long-lasting e-biking performance
 - » Up to three times the durability of HYPERGLIDE in high chain tension conditions
- Smooth 2-way shifting (inward and outward) with reduced pedal shock
 - LINKGLIDE
- Gear combination: 11-39T: (11-13-15-17-20-23-26-30-34-39T), 11-48T: (11-13-15-17-20-23-28-34-41-48T)

| Brand | | SHIMANO | SHIMANO |
|--------------------------------|--|--|--------------------------------|
| Model no. | | CS-LG400-10 | CS-LG300-10 |
| Type | | LINKGLIDE | LINKGLIDE |
| Rear speeds | | 10-speed | 10-speed |
| Compatible chain | | LINKGLIDE, HG 11-speed | LINKGLIDE, HG 11-speed |
| Combination name (Group name) | | 11-39T 11-43T 11-48T ** | 11-39T 11-48T |
| Combination * Titanium gear | 1 | 11-13-15-17-20-23-26-30-34-39T | 11-13-15-17-20-23-26-30-34-39T |
| | 2 | 11-13-15-17-20-23-26-30-36-43T | 11-13-15-17-20-23-28-34-41-48T |
| | 3 | 11-13-15-17-20-23-28-34-41-48T | - |
| | 4 | - | - |
| | 5 | - | - |
| | 6 | - | - |
| | 7 | - | - |
| Spline type | MICRO SPLINE | - | - |
| | HG spline L2 (ROAD 12-speed dedicated) | - | - |
| | HG spline L (ROAD 12/11-speed) | - | - |
| | HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210) | √ * | √ * |
| | HG spline S (7-speed) | - | - |
| Carbon spider arm | QTY (pcs) | - | - |
| | Finish | - | - |
| Aluminum spider arm | QTY (pcs) | - | - |
| | Finish | - | - |
| Steel spider arm | QTY (pcs) | - | - |
| | Finish | - | - |
| Titanium gear | QTY (pcs) | - | - |
| | Finish | - | - |
| Aluminum gear | QTY (pcs) | - | - |
| | Finish | - | - |
| Steel gear | QTY (pcs) | 10 | 10 |
| | Finish | Plated | MnP04 |
| Lock ring | Material | Steel | Steel |
| | Finish | Plated | MnP04 |
| Note | | * Follow compatibility chart ** Silver color is available (NEW) | * Follow compatibility chart |



CS-LG400-9



CS-LG400-9

SHIMANO LINKGLIDE Cassette 9-speed

- Go further with smooth and long-lasting e-biking performance
 - » Up to three times the durability of HYPERGLIDE in high chain tension conditions
- Smooth 2-way shifting (inward and outward) with reduced pedal shock
 - LINKGLIDE
 - Premium metallic design
- Gear combination: 11-36T: (11-13-15-17-20-23-26-30-36T), 11-41T: (11-13-15-17-20-23-28-34-41T), 11-46T: (11-13-15-17-20-23-28-36-46T)



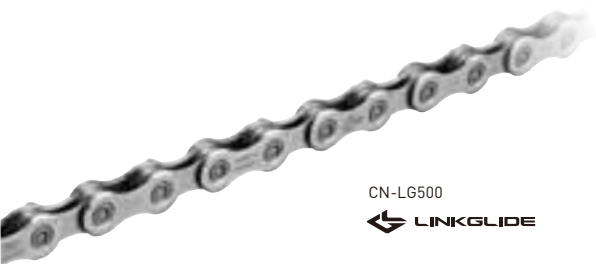
CS-LG300-9



CS-LG300-9

SHIMANO LINKGLIDE Cassette 9-speed

- Go further with smooth and long-lasting e-biking performance
 - » Up to three times the durability of HYPERGLIDE in high chain tension conditions
- Smooth 2-way shifting (inward and outward) with reduced pedal shock
 - LINKGLIDE
- Gear combination: 11-36T: (11-13-15-17-20-23-26-30-36T), 11-41T: (11-13-15-17-20-23-28-34-41T), 11-46T: (11-13-15-17-20-23-28-36-46T)



CN-LG500



CN-LG500

LINKGLIDE Chain (10/11-speed)

- Smooth and reliable shift performance
 - LINKGLIDE technology
 - » Compatible with LINKGLIDE 10/11-speed and 11-speed HYPERGLIDE drivetrain system
- Weight: 257 g

√=Yes

| Brand | | SHIMANO | SHIMANO |
|--------------------------------|--|------------------------------|------------------------------|
| Model no. | | CS-LG400-9 | CS-LG300-9 |
| Type | | LINKGLIDE | LINKGLIDE |
| Rear speeds | | 9-speed | 9-speed |
| Compatible chain | | LINKGLIDE, HG 11-speed | LINKGLIDE, HG 11-speed |
| Combination name (Group name) | | 11-36T 11-41T 11-46T | 11-36T 11-41T 11-46T |
| Combination * Titanium gear | 1 | 11-13-15-17-20-23-26-30-36T | 11-13-15-17-20-23-26-30-36T |
| | 2 | 11-13-15-17-20-23-28-34-41T | 11-13-15-17-20-23-28-34-41T |
| | 3 | 11-13-15-17-20-23-28-36-46T | 11-13-15-17-20-23-28-36-46T |
| | 4 | - | - |
| | 5 | - | - |
| | 6 | - | - |
| | 7 | - | - |
| Spline type | MICRO SPLINE | - | - |
| | HG spline L2 (ROAD 12-speed dedicated) | - | - |
| | HG spline L (ROAD 12/11-speed) | - | - |
| | HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210) | √ * | √ * |
| | HG spline S (7-speed) | - | - |
| Carbon spider arm | QTY (pcs) | - | - |
| | Finish | - | - |
| Aluminum spider arm | QTY (pcs) | - | - |
| | Finish | - | - |
| Steel spider arm | QTY (pcs) | - | - |
| | Finish | - | - |
| Titanium gear | QTY (pcs) | - | - |
| | Finish | - | - |
| Aluminum gear | QTY (pcs) | - | - |
| | Finish | - | - |
| Steel gear | QTY (pcs) | 9 | 9 |
| | Finish | Plated | MnP04 |
| Lock ring | Material | Steel | Steel |
| | Finish | Plated | MnP04 |
| Note | | * Follow compatibility chart | * Follow compatibility chart |

√=Yes

| Brand | | SHIMANO |
|--|--|-----------|
| Model no. | | CN-LG500 |
| Type | | LINKGLIDE |
| E-BIKE rear derailleur system compatible | | √ |
| Pin link plate | | Gray |
| Roller link plate | | Gray |
| Roller | | - |
| Chromizing treatment roller link pin | | √ |
| Hollow pin | | - |
| Average weight (g) (114 links) | | 257 |
| Note | | |

Hub for E-bike



FH-TC600-HM-B



FH-TC600-HM-B

SHIMANO CENTER LOCK Disc Brake Rear FREEHUB
148x12 mm E-THRU Axle 11/10/9/8-speed HG spline M

- Simple setup and reliable trail performance
 - » Easy disc brake rotor installation with spline mount and lock ring
 - » Stiff and lightweight 12 mm E-THRU skewer system
 - » Labyrinth & Contact Sealing
 - » Quick engagement
- Excellent durability with high pedaling torque
 - » Optimal bearing positioning for reliable e-bike and high torque usage
 - » O.L.D.: 148 mm
 - » #13 and #14 spoke compatible

√=Yes

| Brand | | SHIMANO | SHIMANO |
|---|-----------------|------------------------|------------------------|
| Model no. | | FH-TC600-HM-B | FH-TC600-MS-B |
| Color | 1 Hub Shell | Black | Black |
| | 1 Quick release | - | - |
| Brake type | | CENTER LOCK disc brake | CENTER LOCK disc brake |
| Rear speeds | | 11/10/9/8/7 | 12 |
| O.L.D. [mm] | | 148 | 148 |
| Spoke hole | 24H | - | - |
| | 28H | √ | √ |
| | 32H | √ | √ |
| | 36H | √ | √ |
| 10 tooth cog compatible | | - | √ |
| External serration disc brake rotor lock ring | With | - | - |
| | Without | √ | √ |
| Internal serration disc brake rotor lock ring | With | - | - |
| | Without | √ | √ |
| CENTER LOCK mount cover option | | - | - |
| Axle fixing method | | 12 mm E-THRU | 12 mm E-THRU |
| Quick release skewer length [mm] | 166 | - | - |
| | 168 | - | - |
| | 170 | - | - |
| | 172 | - | - |
| | 173 | - | - |
| | 174 | - | - |
| | 176 | - | - |
| | 178 | - | - |
| Thru axle (length x inner diameter ; mm) | 135 x 10 | - | - |
| | 135 x 12 | - | - |
| | 142 x 12 | - | - |
| | 148 x 12 | √ | √ |
| | 150 x 12 | - | - |
| | 157 x 12 | - | - |
| Flange distance [mm] | | 61.1 | 61.1 |
| Offset [mm] | | 7.19 | 7.19 |
| P.C.D. left/right [mm] | | 60/61 | 60/61 |
| Flange diameter left/right [mm] | | 68.8/69.8 | 68.8/69.8 |



FH-TC600-MS-B



FH-TC600-MS-B

SHIMANO CENTER LOCK Disc Brake Rear FREEHUB 148x12 mm E-THRU Axle 12-speed MICRO SPLINE

- Simple setup and reliable trail performance
 - » Easy disc brake rotor installation with spline mount and lock ring
 - » Stiff and lightweight 12 mm E-THRU skewer system
 - » Labyrinth & Contact Sealing
 - » Quick engagement
- Excellent durability with high pedaling torque
 - » Optimal bearing positioning for reliable e-bike and high torque usage
 - » Smaller spline diameter for 10T top gear
 - » O.L.D.: 148 mm
 - » #13 and #14 spoke compatible

√=Yes

| Brand | | SHIMANO | SHIMANO |
|--|--|----------------------|----------------------|
| Model no. | | FH-TC600-HM-B | FH-TC600-MS-B |
| Spline type | MICRO SPLINE | - | √ |
| | HG spline L2 (ROAD 12-speed dedicated) | - | - |
| | HG spline L (ROAD 12/11-speed) | - | - |
| | HG spline M (10/9/8-speed, MTB 11-speed, 7-speed CS-HG400/HG210) | √ | - |
| | HG spline S (7-speed) | - | - |
| Engagement type | | Pawl ratchet | Pawl ratchet |
| Quick engagement | | √ [36 times/360°] | √ [36 times/360°] |
| Seal | Hub | Labyrinth+Contact | Labyrinth+Contact |
| | FREEHUB body | Contact | Contact |
| Internal grease sleeve | | - | - |
| Digital Adjustment system | | - | - |
| Bearing | Stainless ball | - | - |
| | Cup | - | - |
| | Cone | - | - |
| | Cartridge | √ | √ |
| FREEHUB body | Material | Steel | Steel |
| | Finish | - | - |
| Hub shell | Material | Aluminum | Aluminum |
| | Finish | Anodized | Anodized |
| Axle | Material | Aluminum | Aluminum |
| | Finish | - | - |
| Quick release lever | Material | - | - |
| | Finish | - | - |
| | Color | - | - |
| Quick release housing | Material | - | - |
| | Finish | - | - |
| Quick release nut | Material | - | - |
| | Finish | - | - |
| Disc brake rotor lock ring | Material | - | - |
| | Finish | - | - |
| Average weight [g] (w/o axle, quick release nor lock ring) | | - | - |
| Note | | | |

Hub set recommendation by bike type

| FREEHUB Model | E-bike with \geq 85 N·m torque | E-bike with < 85 N·m torque | MTB enthusiastic | Trekking/ Fitness/City | Single-track cargo | Multi-track cargo | Front hub combination |
|--|----------------------------------|-----------------------------|------------------|---------------------------|-----------------------|----------------------|------------------------------|
| FH-TC600-HM-B FH-TC600-MS-B | ☆☆☆ | ☆☆☆ | ☆☆☆ | ☆☆☆ | ☆☆☆ | - | HB-TC500-15 HB-TC500-15-B |
| FH-TC500-HM-B FH-TC500-HM FH-TC500-MS-B FH-TC500-MS FH-QC500-MS-B FH-QC500-MS | ☆☆ | ☆☆☆ | ☆☆ | ☆☆☆ | ☆☆ | - | |
| FH-QC400-HM | ☆ | ☆☆ | ☆ | ☆☆☆ | ☆☆ | - | HB-QC400 |
| FH-QC300-HM | ☆ | ☆ | ☆ | ☆☆ | ☆ | - | HB-QC300 |

☆☆☆ = Excellent Performance, ☆☆ = Good Performance, ☆ = Compatible, - = Incompatible

How to find specification from model no.

FH - QC 500 - MS - B

1 2 3 4 5 6

| No. | Spec | Details |
|-----|------------|--|
| 1 | Product | HB = Front hub FH = FREEHUB |
| 2 | Axle type | T = THRU type Q = Quick release N = Nut type |
| 3 | Brake type | C = CENTER LOCK type B = 6-bolt type R = Hub roller brake N = Normal type |
| 4 | Grade | 600/500/400/300 |
| 5 | Spline | MS = MICRO SPLINE HL = HG spline long (Road 11-speed) HM = HG spline middle (MTB 11/10/9/8-speed) HS = HG spline short (HG 7-speed) SF = Single free |
| 6 | O.L.D. | B = Boost |

Speed sensor unit

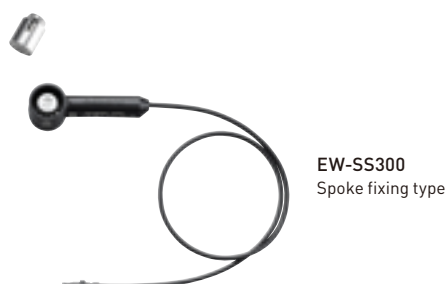
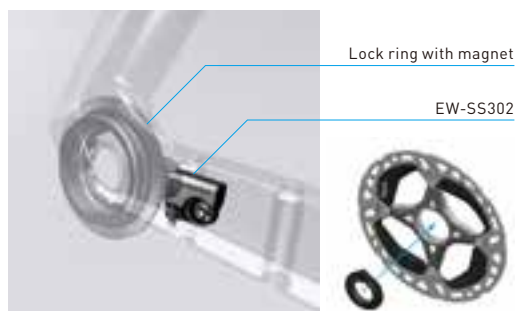
< SD300 type >



EW-SS302

EW-SS302

Magnet type: Magnet integrated lock ring

EW-SS300
Spoke fixing typeEW-SS301
Magnet integrated rotor

< SD50 type >

SM-DUE10
Spoke fixing typeSM-DUE11
Magnet integrated rotor

√=Yes

| Series | | SHIMANO | SHIMANO | SHIMANO | SHIMANO | SHIMANO |
|-----------------------|---------------------------------|-----------------------------|-----------------------------|-----------------------------|---|---|
| Model no. | | EW-SS302 | EW-SS301 | EW-SS300 | SM-DUE11 | SM-DUE10 |
| Brake spec | Disc | √ | √ | √ | √ | √ |
| | Rim | - | - | √ | - | √ |
| Compatible drive unit | | EP801/EP800/ EP600/EP500 | EP801/EP800/ EP600/EP500 | EP801/EP800/ EP600/EP500 | E8000/E7000/E6100/ E6000/E5100/E5000 | E8000/E7000/E6100/ E6000/E5100/E5000 |
| Magnet type | Spoke fixing type | - | - | √ | - | √ |
| | Magnet integrated rotor | - | √ | - | √ | - |
| | Magnet integrated lock ring | √ | - | - | - | - |
| | Magnet bracket for 6-bolt rotor | - | - | - | - | - |
| SD300 connector (pcs) | | 1 | 1 | 1 | 0 | 0 |
| SD50 connector (pcs) | | 0 | 0 | 0 | 1 | 1 |

Disc brake rotor



ICE
TECHNOLOGIES
FREEZE

RT-CL900
CENTER LOCK Disc Brake
Rotor for E-bike Speed
Sensor System (203 mm)



ICE
TECHNOLOGIES
FREEZE



RT-CL800
CENTER LOCK Disc Brake
Rotor for E-bike Speed
Sensor System (203 mm)



ICE
TECHNOLOGIES

RT-CL700 **NEW**
CENTER LOCK Disc Brake
Rotor for E-bike Speed
Sensor System (203 mm)

NEW √=Yes

| Model no. | | | | RT-CL900 | RT-CL800 | RT-CL700 |
|--|---|--------------------------|----------|--|--|--|
| Disc brake rotor type | | | | Narrow type | Narrow type | Narrow type |
| Function |  | | | √ | √ | - |
| |  | | | - | - | √ |
| Disc brake rotor size | 203 mm | Lock ring serration type | External | - | - | ERTCL700LE |
| | | | Internal | IRTCL900LJ | IRTCL800LJ | ERTCL700LI |
| | 180 mm | Lock ring serration type | External | - | - | ERTCL700ME |
| | | | Internal | IRTCL900MJ | IRTCL800MJ | ERTCL700MI |
| | 160 mm | Lock ring serration type | External | - | - | ERTCL700SE |
| | | | Internal | IRTCL900SJ | IRTCL800SJ | ERTCL700SI |
| | 140 mm | Lock ring serration type | External | - | - | ERTCL700SSE |
| | | | Internal | - | - | ERTCL700SSI |
| Compatible speed sensor | | | | EW-SS302 | EW-SS302 | EW-SS302 |
| Magnet type (Magnet integrated rotor/Magnet integrated lock ring) | | | | Lock ring | Lock ring | Lock ring |
| Disc brake rotor material | | | | Stainless steel + aluminum + stainless steel | Stainless steel + aluminum + stainless steel | Stainless steel + aluminum + stainless steel |
| Pad compatibility | Metal | | | √ | √ | √ |
| | Resin | | | √ | √ | √ |
| Alloy lock ring | | | | √ | √ | - |
| Note | | | | | | |

Disc brake rotor



ICE
TECHNOLOGIES
FREEZE

RT-EM910
CENTER LOCK Disc Brake
Rotor for E-bike Speed
Sensor System (203 mm)



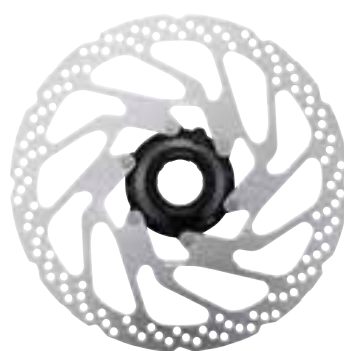
ICE
TECHNOLOGIES
FREEZE

RT-EM810
CENTER LOCK Disc Brake
Rotor for E-bike Speed
Sensor System (203 mm)



CENTER LOCK
FREEZE



RT-EM600
CENTER LOCK Disc Brake
Rotor for E-bike Speed
Sensor System (203 mm)



CENTER LOCK
FREEZE

RT-EM300
CENTER LOCK Disc Brake
Rotor for E-bike Speed
Sensor System (203 mm)

√=Yes

| Model no. | | | | RT-EM910 | RT-EM810 | RT-EM600 | RT-EM300 |
|--|---|--------------------------|----------|--|--|----------------------|----------------------|
| Disc brake rotor type | | | | Narrow type | Narrow type | Narrow type | Wide type |
| Function |  | | | √ | √ | - | - |
| |  | | | - | - | - | - |
| Disc brake rotor size | 203 mm | Lock ring serration type | External | IRTEM910LE | IRTEM810LE | ERTEM600LEC | ERTEM300L |
| | | | Internal | IRTEM910LI | IRTEM810LI | ERTEM600LI3C | |
| | 180 mm | Lock ring serration type | External | IRTEM910ME | IRTEM810ME | ERTEM600MEC | ERTEM300M |
| | | | Internal | IRTEM910MI | IRTEM810MI | ERTEM600MI3C | |
| | 160 mm | Lock ring serration type | External | IRTEM910SE | IRTEM810SE | ERTEM600SEC | ERTEM300S |
| | | | Internal | IRTEM910SI | IRTEM810SI | ERTEM600SI3C | |
| | 140 mm | Lock ring serration type | External | - | - | - | - |
| | | | Internal | - | - | - | - |
| Compatible speed sensor | | | | EW-SS301 SM-DUE11 | EW-SS301 SM-DUE11 | EW-SS301 SM-DUE11 | EW-SS301 SM-DUE11 |
| Magnet type (Magnet integrated rotor/Magnet integrated lock ring) | | | | Rotor | Rotor | Rotor | Rotor |
| Disc brake rotor material | | | | Stainless steel + aluminum + stainless steel | Stainless steel + aluminum + stainless steel | Stainless steel | Stainless steel |
| Pad compatibility | | Metal | | √ | √ | √ | - |
| | | Resin | | √ | √ | √ | √ |
| Alloy lock ring | | | | √ | √ | - | - |
| Note | | | | | | | |

Chain



CN-M9100
12-Speed MTB Chain



CN-E8000-11
11-Speed Super Narrow E-bike Chain



CN-HG701-11
11-Speed Super Narrow Chain



CN-HG601-11
11-Speed Super Narrow Chain



CN-LG500
LINKGLIDE Chain (10/11-speed)



CN-E6090-10
10-Speed E-bike Chain



CN-E6070-9
9-Speed E-bike Chain



CN-HG71
8-Speed MTB Chain

Chain

V=Yes

| Model no. | CN-M9100 | CN-E8000-11 | CN-HG701-11 | CN-HG601-11 |
|------------------------------------|--|--|------------------------------------|------------------------------------|
| Speed | 12-speed | 11-speed | | |
| Type | HYPERGLIDE + | HG-X11 | HG-X11 | HG-X11 |
| Outer link plate surface treatment | SIL-TEC | SIL-TEC | SIL-TEC | Gray |
| Inner link plate surface treatment | Chromizing | Chromizing | SIL-TEC | SIL-TEC |
| Directional design | ✓ | ✓ | ✓ | ✓ |
| Chromizing treatment link pin | ✓ | ✓ | ✓ | ✓ |
| Hollow pin | ✓ | - | - | - |
| Connecting pin | QUICK-LINK (SM-CN910-12) | QUICK-LINK (SM-CN900-11) | QUICK-LINK (SM-CN900-11) | QUICK-LINK (SM-CN900-11) |
| Weight (114 link) | 242 g | 257 g | 257 g | 257 g |
| Code no. | ICNM9100116Q ICNM9100126Q ICNM9100138Q | ICNE800011116Q ICNE800011126Q ICNE800011138Q | ICNHG70111126Q ICNHG70111138Q | ICNHG60111126Q ICNHG60111138Q |
| Replacement/remark | 116 links 126 links 138 links | 116 links 126 links 138 links | 126 links 138 links | 126 links 138 links |

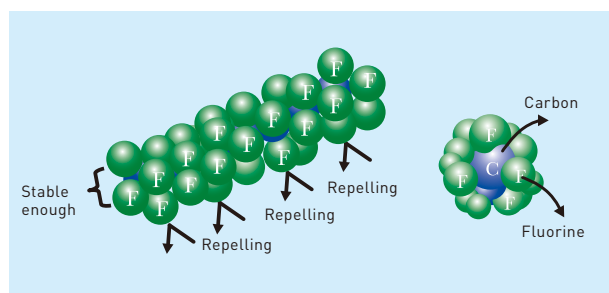
V=Yes

| Model no. | CN-LG500 | CN-E6090-10 | CN-E6070-9 | CN-HG71 |
|------------------------------------|--|--|--|--|
| Speed | 10/11-speed | 10-speed | 9-speed | 8-speed |
| Type | LINKGLIDE | HG-X | HG <small>HYPERGLIDE</small> | HG <small>HYPERGLIDE</small> |
| Outer link plate surface treatment | Gray | SIL-TEC | Gray | Silver |
| Inner link plate surface treatment | Gray | SIL-TEC | Gray | Gray |
| Directional design | ✓ | ✓ | - | - |
| Chromizing treatment link pin | ✓ | ✓ | ✓ | ✓ |
| Hollow pin | - | - | - | - |
| Connecting pin | QUICK-LINK (SM-CN900-11) | Two lines | Silver color | Black color |
| Weight (114 link) | 257 g | 276 g | 276 g | 324 g |
| Code no. | ICNLG500116Q ICNLG500126Q ICNLG500138Q | ICNE609010118I ICNE609010126I ICNE609010138I | ICNE60709118I ICNE60709126I ICNE60709138I | ECNHG71C116I ECNHG71C138I |
| Replacement/remark | 118 links 126 links 138 links | Front single only 118 links 126 links 138 links | Front single only 118 links 126 links 138 links | CN-HG91 CN-HG70 |

SIL-TEC

SHIMANO's ultra-low friction surface treatment

Superior to simple coating, SIL-TEC is an advanced plating process that improves system performance through the use of imbedded fluorine particles. SIL-TEC products run smoother and wear longer in all conditions.

**SIL-TEC chain vs. Common Plating (Zn-Ni) chain****Smooth Pedaling**

| | |
|---------------------------|---------|
| Rotation Sliding Friction | -60% |
| Driving Noise | -2.7 dB |

Less Maintenance

| | |
|--------------------------|------|
| Mud Shedding Performance | +30% |
|--------------------------|------|

Long Life

| | |
|------------------------------|------|
| Wear and Abrasion Resistance | +20% |
|------------------------------|------|

Recommended hydraulic disc brake system

XTR


BL-M9220 **NEW**
Hydraulic Disc Brake Lever
I-SPEC EV Clamp Band

DEORE XT



BL-M8200 **NEW**
Hydraulic Disc Brake Lever
I-SPEC EV Clamp Band



BR-M9220 **NEW**
Hydraulic Disc Brake
4-Piston Caliper



BR-M8220 **NEW**
Hydraulic Disc Brake
4-Piston Caliper

| | | NEW | NEW | v=Yes |
|----------------------------|--|--------------------------|--------------------------|-------|
| Brand | | XTR | DEORE XT | |
| Model no. | | BL-M9220/BR-M9220 | BL-M8200/BR-M8220 | |
| Disc brake caliper related | High brake power SERVO WAVE | √ | √ | |
| | Piston type | 4-piston | 4-piston | |
| | Brake pad | Fin or not | w/o fin, w/ fin | |
| | | Material | Resin/metal | |
| Brake lever related | Material | Aluminum | Aluminum | |
| | Finger | 2-finger | 2-finger | |
| | Technology | I-SPEC EV | I-SPEC EV | |
| Oil bleeding |  ONE WAY BLEEDING | - | - | |
| | Funnel bleeding tool | √ | √ | |

Recommended hydraulic disc brake system

SLX


BL-M7100
Hydraulic Disc Brake Lever
I-SPEC EV Clamp Band

**SHIMANO
DEGRE**


BL-M6100
Hydraulic Disc Brake Lever
I-SPEC EV



BR-M7120
Hydraulic Disc Brake
4-Piston Caliper



BR-M6120
Hydraulic Disc Brake
Caliper 4-Piston

√=Yes

| Brand | | SLX | SHIMANO DEGRE |
|----------------------------|-----------------------------|--------------------------|--------------------------|
| Model no. | | BL-M7100/BR-M7120 | BL-M6100/BR-M6120 |
| Disc brake caliper related | High brake power SERVO WAVE | √ | √ |
| | Piston type | 4-piston | 4-piston |
| | Braking power % | 146% | 146% |
| | Brake pad | Fin or not | w/o fin |
| | | Material | Resin/metal |
| Brake lever related | Material | Aluminum | Aluminum |
| | Finger | 2-finger | 2-finger |
| | Technology | I-SPEC EV | I-SPEC EV |
| Oil bleeding | ONE WAY BLEEDING | - | √ |
| | Funnel bleeding tool | √ | √ |

SHIMANO
CUES

BL-U8000
SHIMANO CUES Hydraulic Disc Brake Lever
I-SPEC II Clamp Band



BL-MT501
Hydraulic Disc Brake Lever
I-SPEC II Clamp Band



BL-MT402-3A
Hydraulic Disc Brake Lever



BR-U8020
SHIMANO CUES Hydraulic Disc Brake
4-Piston Caliper



BR-MT520
Hydraulic Disc Brake
4-Piston MTB Caliper



BR-MT420
Hydraulic Disc Brake
4-Piston Caliper

V=Yes













| Brand | | | SHIMANO CUES | SHIMANO | SHIMANO |
|-------------------------------|--------------------------------|------------|--------------------------|--------------------------|-----------------------------|
| Model no. | | | BL-U8000/BR-U8020 | BL-MT501/BR-MT520 | BL-MT402-3A/BR-MT420 |
| Disc brake caliper related | High brake power SERVO WAVE | | - | √ | - |
| | Piston type | | 4-piston | 4-piston | 4-piston |
| | Braking power % | | 123% | 146% | 116% |
| | Brake pad | Fin or not | w/o fin, w/ fin | w/o fin | w/o fin |
| | | Material | Resin/metal | Resin/metal | Resin/metal |
| Brake lever related | Material | | Aluminum | Aluminum | Aluminum |
| | Finger | | 3-finger | 2-finger | 3-finger |
| | Technology | | I-spec II | I-spec II | - |
| Oil bleeding | ONE WAY BLEEDING | | - | √ | √ |
| | Funnel bleeding tool | | √ | √ | √ |

Disc brake rotor





















ICE TECHNOLOGIES

Consistent braking performance that is suitable for the higher average speed and weight of an e-bike.

| | Mount | Model no. | Performance indicator | Technology | E-Bike | Compatible brake pad | | Disc brake rotor size | Lock ring Alloy | Lock ring spline type | |
|---|-------------|-----------|--|---|---|----------------------|-------|-----------------------|--|-----------------------|--|
| | | | | | | Metal | Resin | | | External | Internal |
|  | CENTER LOCK | RT-CL900 |  ULTIMATE |  ICE TECHNOLOGIES FREEZA |  BBIKE RATED | X | X | 203 mm | X | - | IRTCL900LJ |
| X | | X | | | | 180 mm | X | - | IRTCL900MJ | | |
| X | | X | | | | 160 mm | X | - | IRTCL900SJ | | |
| X | | X | | | | 203 mm | X | - | IRTCL800LJ | | |
| X | | X | | | | 180 mm | X | - | IRTCL800MJ | | |
| X | | X | | | | 160 mm | X | - | IRTCL800SJ | | |
|  | | RT-CL800 |  ADVANCED |  ICE TECHNOLOGIES | | X | X | 203 mm | - | ERTCL700LE | ERTCL700LI |
| X | | X | | | | 180 mm | - | ERTCL700ME | ERTCL700MI | | |
| X | | X | | | | 160 mm | - | ERTCL700SE | ERTCL700SI | | |
| X | | X | | | | 140 mm | - | ERTCL700SSE | ERTCL700SSI | | |
|  | | SM-RT70 | | | | X | X | 160 mm | - | - | ESMRT70SJ |
|  | | RT-EM910 |  ULTIMATE |  ICE TECHNOLOGIES FREEZA | | X | X | 203 mm | X | IRTEM910LE | IRTEM910LI |
| X | | X | | | | 180 mm | X | IRTEM910ME | IRTEM910MI | | |
| X | | X | | | | 160 mm | X | IRTEM910SE | IRTEM910SI | | |
| X | | X | | | | 203 mm | X | IRTEM810LE | IRTEM810LI | | |
| X | | X | | | | 180 mm | X | IRTEM810ME | IRTEM810MI | | |
| X | | X | | | | 160 mm | X | IRTEM810SE | IRTEM810SI | | |
|  | | RT-EM810 | | | | X | X | 203 mm | - | ERTEM600LEC | Black: ERTEM600LI3C Silver: ERTEM600LIC |
|  | | RT-EM600 | Standard | | | X | X | 180 mm | - | ERTEM600MEC | Black: ERTEM600MI3C Silver: ERTEM600MIC |
| X | | X | | | | 160 mm | - | ERTEM600SEC | Black: ERTEM600SI3C Silver: ERTEM600SIC | | |
| - | | X | | | | 203 mm | - | ERTEM300L | ERTEM300L | | |
| - | | X | | | | 180 mm | - | ERTEM300M | ERTEM300M | | |
| - | | X | | | | 160 mm | - | ERTEM300S | ERTEM300S | | |
|  | RT-EM300 | | | | | | | | | | |

Chainring

| | Recommended FC | Model no. | GEAR | Chain Guard | Color | S-PART no. (Chainring/4 arm adapter/ Fixing Bolt & Nut/Chain Guard[With CG model]) | Y-PART no. (Chainring ONLY) | |
|---|---|--|--|--|-------------------|---|-----------------------------------|-----------|
|  | FC-E5000/ E5010 | SM-CRE50 | 38T | With double | | ESMCRE50A8DG | Y0J338000 | |
| | | | | With single | | ESMCRE50A8SG | | |
| | | | | Without | | ESMCRE50A8X | | |
|   | | | 44T | With double | | ESMCRE50B4DG | Y0J344000 | |
| | | | | With single | | ESMCRE50B4SG | | |
| | | | | Without | | ESMCRE50B4X | | |
|   | FC-E6100/ E8000/M8150/ EM600/EM900 | SM-CRE61 | 38T | With double | | ESMCRE61A8DG | Y0J138000 | |
| | | | | With single | | ESMCRE61A8SG | | |
| | | | | Without | Black | ESMCRE61A8XL | | |
| Silver | | | | | ESMCRE61A8XS | | | |
|  | | | 44T | With double | | ESMCRE61B4DG | Y0J144000 | |
| | | | | With single | | ESMCRE61B4SG | | |
| | | Without | | | ESMCRE61B4X | | | |
|  | | FC-E8000/ E8050/M8050/ M8150/EM600/ EM900/EN500 | CR-EM800 | 32T | Without | | ICREM800A2XL | Y0RU9802T |
|  | | | CR-ET600 | 38T | With double | | ECRET600A8DG | Y0PX9801T |
| | With single | | | | | ECRET600A8SG | | |
| | Without | | | | Black | ECRET600A8XL | | |
| | | | | | Silver | ECRET600A8XS | | |
| | 44T | | | With double | | ECRET600B4DG | Y0PX9802T | |
| | | | | With single | | ECRET600B4SG | | |
| | | | | Without | | ECRET600B4X | | |
|  | SM-CRE70-B | | 34T (53 mm chain line) 34T (55 mm chain line) | Without | | ESMCRE70BA4X | Y0J434000 | |
| | | | ESMCRE70B55A4XL | | | | | |
|  | SM-CRE70 | | 38T | With double | | ESMCRE70A8DGL | Y0J438000 | |
| | | | | Without | | ESMCRE70A8XL | | |
|  | SM-CRE70-12-B | | 36T (53 mm chain line) 36T (55 mm chain line) | Without | | ESMCRE7012BA6XL | Y0KK36000 | |
| | | | | | | ESMCRE7012B55A6XL | | |
|  | SM-CRE70-12 | | 42T | With double | | ESMCRE7012B2DGL | Y0KK42000 | |
|   | SM-CRE80 | | 34T | Without | | ISMCRE80A4X | Y1VY00030 | |
| | | | 38T | | | ISMCRE80A8X | Y1VY00040 | |
| | | | 44T | With double | | ISMCRE80B4DG | Y1VY44000 | |
| |   | | SM-CRE80-B | 34T (53 mm chain line) 34T (55 mm chain line) 38T (53 mm chain line) 38T (55 mm chain line) | Without | | ISMCRE80BA4X | Y1VY00030 |
| | | | | ISMCRE80B55A4XL | | Y1VY00040 | | |
| | | | | ISMCRE80BA8X | | | | |
| | | | | ISMCRE80B55A8XL | | | | |
|  | SM-CRE80-R | | 47T | Without | | ISMCRE80RB7XL | Y0JZ47000 | |
|  | SM-CRE80-12-B | | 34T (53 mm chain line) 34T (55 mm chain line) 36T (53 mm chain line) 36T (55 mm chain line) 38T (53 mm chain line) 38T (55 mm chain line) | Without | | ISMCRE8012BA4X | Y0KJ34100 | |
| | | | | | ISMCRE8012B55A4XL | Y0KJ36100 | | |
| | | | | | ISMCRE8012BA6X | | | |
| | | | | | ISMCRE8012B55A6XL | | | |
| | | | | | ISMCRE8012BA8X | Y0KJ38100 | | |
| | | | | | ISMCRE8012B55A8XL | | | |
| | SM-CRE80-12-SB | | 34T | Without | | ISMCRE8012SBA4XL | Y0KJ34100 | |
| | 36T | | | | ISMCRE8012SBA6XL | Y0KJ36100 | | |

Chain



Chromizing
Treatment
Link Pin



Hollow Pin



For both e-bikes and non-e-bikes
High wear-resistance maintains
shifting performance on bikes
with or without a drive unit.

12-speed

| Type | Photo | Model no. | Performance indicator | E-Bike | Outer link plate surface treatment | Inner link plate surface treatment | | | Connecting pin | Weight (114 link) | Code no. |
|-------------|-------|-----------|-----------------------|--------|------------------------------------|------------------------------------|---|---|--------------------------|-------------------|--|
| HYPERGLIDE+ | | CN-M8100 | | | Gray | Chromizing | X | - | QUICK-LINK (SM-CN910-12) | 252 g | ICNM8100116Q ICNM8100126Q ICNM8100138Q |

11-speed HG & 11/10-speed LG

| Type | Photo | Model no. | Performance indicator | E-Bike | Outer link plate surface treatment | Inner link plate surface treatment | | | Connecting pin | Weight (114 link) | Code no. |
|--------|-------|-------------|-----------------------|--------|------------------------------------|------------------------------------|---|---|--------------------------|-------------------|--|
| HG-X11 | | CN-E8000-11 | | | SIL-TEC | Chromizing | X | - | QUICK-LINK (SM-CN900-11) | 257 g | ICNE800011116Q ICNE800011126Q ICNE800011138Q |
| | | CN-HG701-11 | | | SIL-TEC | SIL-TEC | X | - | QUICK-LINK (SM-CN900-11) | 257 g | ICNHG70111116Q ICNHG70111126Q ICNHG70111138Q |
| | | CN-HG601-11 | | | Gray | SIL-TEC | X | - | QUICK-LINK (SM-CN900-11) | 257 g | ICNHG60111116Q ICNHG60111126Q ICNHG60111138Q |
| LG | | CN-LG500 | | | Gray | Gray | X | - | QUICK-LINK (SM-CN900-11) | 257 g | ICNLG500116Q ICNLG500126Q ICNLG500138Q |

10-speed

| Type | Photo | Model no. | Performance indicator | E-Bike | Outer link plate surface treatment | Inner link plate surface treatment | | | Connecting pin | Weight (114 link) | Code no. |
|------|-------|-------------|-----------------------|--------|------------------------------------|------------------------------------|---|---|----------------|-------------------|--|
| HG-X | | CN-E6090-10 | | | SIL-TEC | SIL-TEC | X | - | Two Lines | 276 g | ICNE609010118I ICNE609010126I ICNE609010138I |

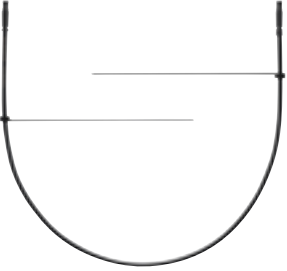
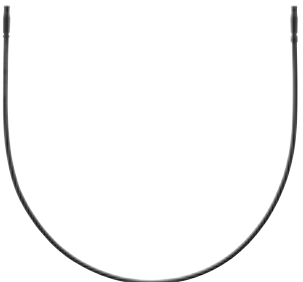

9-speed

| Type | Photo | Model no. | Performance indicator | E-Bike | Outer link plate surface treatment | Inner link plate surface treatment | | | Connecting pin | Weight (114 link) | Code no. |
|------|-------|------------|-----------------------|--------|------------------------------------|------------------------------------|---|---|----------------|-------------------|---|
| HG | | CN-E6070-9 | | | Gray | Gray | X | - | Silver color | 276 g | ICNE60709118I ICNE60709126I ICNE60709138I |


8/7/6-speed

| Type | Photo | Model no. | Performance indicator | E-Bike | Outer link plate surface treatment | Inner link plate surface treatment | | | Connecting pin | Weight (114 link) | Code no. |
|-------|-------|-----------|-----------------------|--------|------------------------------------|------------------------------------|---|---|----------------------|-------------------|------------------------------|
| HG/UG | | CN-HG71 | | | Gray | Gray | X | - | QUICK-LINK (CN-UG51) | 324 g | ECNHG71C116Q |
| | | CN-HG71 | | | Gray | Gray | X | - | Black color | 324 g | ECNHG71C116I ECNHG71C138I |


























Electric wire

| | Model no. | Series | Description | Length | Code no. |
|---|------------|---------|---|----------|---------------|
|  | EW-SD300-I | SHIMANO | 2nd generation E-TUBE cable for Di2 (for built-in routing) | 150 mm | IEWSD300IL015 |
| | | | | 200 mm | IEWSD300IL020 |
| | | | | 250 mm | IEWSD300IL025 |
| | | | | 300 mm | IEWSD300IL030 |
| | | | | 350 mm | IEWSD300IL035 |
| | | | | 400 mm | IEWSD300IL040 |
| | | | | 500 mm | IEWSD300IL050 |
| | | | | 550 mm | IEWSD300IL055 |
| | | | | 600 mm | IEWSD300IL060 |
| | | | | 650 mm | IEWSD300IL065 |
| | | | | 700 mm | IEWSD300IL070 |
| | | | | 750 mm | IEWSD300IL075 |
| | | | | 800 mm | IEWSD300IL080 |
| | | | | 850 mm | IEWSD300IL085 |
| | | | | 900 mm | IEWSD300IL090 |
| | | | | 950 mm | IEWSD300IL095 |
|  | EW-SD300 | SHIMANO | 2nd generation E-TUBE cable for Di2 (for external routing) | 150 mm | IEWSD300L015 |
| | | | | 200 mm | IEWSD300L020 |
| | | | | 250 mm | IEWSD300L025 |
| | | | | 300 mm | IEWSD300L030 |
| | | | | 350 mm | IEWSD300L035 |
| | | | | 400 mm | IEWSD300L040 |
| | | | | 500 mm | IEWSD300L050 |
| | | | | 550 mm | IEWSD300L055 |
| | | | | 600 mm | IEWSD300L060 |
| | | | | 650 mm | IEWSD300L065 |
| | | | | 700 mm | IEWSD300L070 |
| | | | | 750 mm | IEWSD300L075 |
| | | | | 800 mm | IEWSD300L080 |
| | | | | 850 mm | IEWSD300L085 |
| | | | | 900 mm | IEWSD300L090 |
| | | | | 950 mm | IEWSD300L095 |
|  | EW-SD50 | SHIMANO | 1st generation E-TUBE cable for Di2 (for external routing) | 150 mm | IEWSD50L15 |
| | | | | 200 mm | IEWSD50L20 |
| | | | | 250 mm | IEWSD50L25 |
| | | | | 300 mm | IEWSD50L30 |
| | | | | 350 mm | IEWSD50L35 |
| | | | | 400 mm | IEWSD50L40 |
| | | | | 500 mm | IEWSD50L50 |
| | | | | 550 mm | IEWSD50L55 |
| | | | | 600 mm | IEWSD50L60 |
| | | | | 650 mm | IEWSD50L65 |
| | | | | 700 mm | IEWSD50L70 |
| | | | | 750 mm | IEWSD50L75 |
| | | | | 800 mm | IEWSD50L80 |
| | | | | 850 mm | IEWSD50L85 |
| | | | | 900 mm | IEWSD50L90 |
| | | | | 950 mm | IEWSD50L95 |
| | | | | 1,000 mm | IEWSD50L100 |
| | | | | 1,200 mm | IEWSD50L120 |
| | | | | 1,400 mm | IEWSD50L140 |
| | | | | 1,600 mm | IEWSD50L160 |




Wire holder

| | Model no. | Description | Code no. | EP8/EP6 | E8000 | E5000 |
|---|-----------|---|-------------|---------|-------|-------|
|  | Cable tie | Wire holder: Cable tie for internal routing | IEWSD50ISM1 | - | ✓ | ✓ |








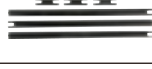









E-TUBE kit

| | Model no. | Usage | Description | Code no. |
|--|----------------------------|---|---|---|
|  <div>  SM-PCE02  Micro USB cable  PC link cable for SD50 </div> <div>  EW-SD50  SM-JC41  TL-EW02 </div> | SM-PCE02 (SD50 type) | For connecting the bicycle (system or components) to a PC via a PC linkage device | PC link device for SD50 Micro USB cable PC link cable for SD50 | IETUBEKIT3EB (English) IETUBEKIT3GB (German) |
| | EW-SD50 | | Electric wire for SD50 | |
| | SM-JC41 | | Junction for SD50 | |
| | TL-EW02 | | Plug tool for SD50 | |
|  <div>  SM-PCE02  Micro USB cable  PC link cable for SD300 </div> <div>  Setting cable  EW-JC304  TL-EW300 </div> | SM-PCE02 (SD300 type) | For connecting the bicycle (system or components) to a PC via a PC linkage device | PC link device for SD300 Micro USB cable PC link cable for SD300 | IETUBEKIT5EB (English) IETUBEKIT5GB (German) |
| | Setting cable (SD300 type) | | Electric wire for SD300 | |
| | EW-JC304 | | Junction for SD300 | |
| | TL-EW300 | | Plug tool for SD300 | |
|  <div>  SM-PCE02  Micro USB cable  PC link cable for SD300 </div> <div>  PC link cable for SD50  Setting cable  EW-SD50 </div> <div>  EW-JC304  SM-JC41  TL-EW300  TL-EW02 </div> | SM-PCE02 (SD300/50 type) | For connecting the bicycle (system or components) to a PC via a PC linkage device | PC link device for SD300/50 Micro USB cable PC link cable for SD300 PC link cable for SD50 | IETUBEKIT4EB (English) IETUBEKIT4GB (German) |
| | Setting cable (SD300 type) | | Electric wire for SD300 | |
| | EW-SD50 | | Electric wire for SD50 | |
| | EW-JC304 | | Junction for SD300 | |
| | SM-JC41 | | Junction for SD50 | |
| | TL-EW300 | | Plug tool for SD300 | |
| | TL-EW02 | | Plug tool for SD50 | |

Conversion adapter and wire junctions

| | Model no. | Series | Compatible with | Description | Code no. |
|---|-----------|---------|-----------------|---|----------|
|  | EW-AD305 | SHIMANO | EW-SD300 | • Conversion adapter for EW-SD50 and EW-SD300 | IEWAD305 |
|  | EW-JC302 | | | • 2-port junction for EW-SD300 | IEWJC302 |
|  | EW-JC304 | | | • 4-port junction for EW-SD300 | IEWJC304 |

Accessories

| | Model no. | Series | Compatible with | Description | Code no. |
|---|---------------|---------|---|---|--|
|  | EW-CL300-S | SHIMANO | EW-SD300 | Cord clip for EW-SD300 and SP outer cable/ brake hose: ø 4 | Y7HS10000 |
|  | EW-CL300-M | | | Cord clip for EW-SD300 and SP outer cable/ brake hose: ø 5 | Y7HS20000 |
|  | EW-CB300-S | | | Cord band for EW-SD300 and ø 22.2 handlebar | Y7HX01000 |
|  | EW-CB300-M | | | Cord band for EW-SD300 and ø 31.8 handlebar | Y7HX02000 |
|  | EW-CB300-L | | | Cord band for EW-SD300 and ø 35 handlebar | Y7HX03000 |
|  | EW-CC300 | | | Cord fixing tape for EW-SD300: Black | IEWCC300LA |
|  | | | | Cord fixing tape for EW-SD300: White | IEWCC300WA |
|  | SM-EWC2 | | EW-SD50 | Wire Covers: Black | ISMEWC2L |
|  | | | | Wire Covers: White | ISMEWC2W |
|  | EW-GM300-S | | EW-SD300 | Frame grommet for EW-SD300 (6 mm CIRCLE) | Y7HN01000 |
|  | EW-GM300-M | | | Frame grommet for EW-SD300 (7 x 8 mm) | Y7HN02000 |
|  | SM-GM01 | | EW-SD50 | Frame Grommets: (6 mm CIRCLE) X 4 | ISMGM01 |
|  | SM-GM02 | | | Frame Grommets: (7 X 8 mm) X 4 | ISMGM02 |
|  | SM-PCE02 | | EW-SD50 (compatible with EW-SD300 with EW-AD305) | PC Linkage Device | ISMPC02B (SD50 type) ISMPC02B2 (SD300 type) ISMPC02B3 (SD50/SD300 type) |
|  | Setting cable | | EW-SD300 | SM-PCE02 PC setting cable (SD300 type) 2,050 mm | Y79M9802T |
|  | TL-EW300 | | EW-SD300 | Plug tool: Connection and disconnection of EW-SD300 | Y7HE40000 |
|  | TL-EW02 | | EW-SD50 | Plug tool: Connection and disconnection of EW-SD50 | Y6VE16000 |

Tool

**TL-FC32**

HOLLOWTECH II bottom bracket cup tool



| | |
|-----------------|--|
| Usage | For installation and removal of HOLLOWTECH II/2-PIECE CRANKSET bottom bracket cup tool |
| USP | Hardened steel for rigidity and durability |
| Code no. | Y13009210 |

**TL-FC36**

HOLLOWTECH II bottom bracket cup tool



| | |
|-----------------|--|
| Usage | <ul style="list-style-type: none"> For installation and removal of HOLLOWTECH II/2-PIECE CRANKSET bottom bracket cup tool For installation and removal of disc brake rotor lock ring for 20 mm axle/15 mm E-THRU axle hub |
| USP | <ul style="list-style-type: none"> Offset design allows turning the tool without touching the chain stay Precision laser cut profile for a secure fit Chrome plated chromoly body for durability and rigidity Ergonomic handle |
| Code no. | Y13098000 |

**TL-FC33**

HOLLOWTECH II bottom bracket cup tool



| | |
|-----------------|--|
| Usage | For installation and removal of HOLLOWTECH II/2-PIECE CRANKSET bottom bracket cup tool |
| USP | <ul style="list-style-type: none"> Impact wrench version HOLLOWTECH II/2-PIECE CRANKSET bottom bracket tool Precise spline profile Hardened steel for rigidity and durability |
| Code no. | Y13009230 |

**TL-FC39**

Lock ring tool for DU-EP800/E8000/E7000/E6100/E5000

| | |
|----------------------|--|
| Usage | Installation and removal tool of lock ring for chainring |
| USP | <ul style="list-style-type: none"> Adapter style to use with TL-FC36 or TL-FC32 Precise spline profile Hardened steel for rigidity and durability |
| Compatibility | DU-EP800/E8000/E7000/E6100/E5000 |
| Remark | An impact wrench cannot be used |
| Code no. | YEZ00016 |

**TL-CN28**

6-11-speed compatible chain tool



| | |
|-----------------|---|
| Usage | For cutting and connecting SHIMANO 6-11-speed chain [HG-EV/HG-X/HG/IG/UG chain] & 1/2" x 1/8" [CN-NX10] |
| USP | <ul style="list-style-type: none"> Home mechanic chain tool Ergonomic handle and grip SHIMANO special driving pin retains the excess ring of the removed 10/11-speed rivet pin for smooth operation Ball bearing between the driving pin and the axle enables handle rotation with less effort Molybdenum treatment on the thread of the axle for smoother rotation With connecting pin guide remover |
| Code no. | Y13098500 |

**Spare arrow**

Code no. Y13098190

**TL-CN29**

9-12-speed compatible chain tool



| | |
|----------------------|---|
| Usage | For cutting and connecting SHIMANO 9-12-speed chain |
| USP | <ul style="list-style-type: none"> Home mechanic chain tool Ergonomic handle and grip SHIMANO special driving pin retains the excess ring of the removed rivet pin for smooth operation Ball bearing between the driving pin and the axle enables handle rotation with less effort Molybdenum treatment on the thread of the axle for smoother rotation With connecting pin guide remover |
| Compatibility | SHIMANO 9-12-speed chain |
| Remark | Home mechanic chain tool |
| Code no. | Y13098700 |

**Spare arrow**

Code no. Y13098190



TL-CN10

QUICK-LINK connecting & removing pliers



| | |
|-----------------|---|
| Usage | Connecting and removing SHIMANO QUICK-LINK |
| USP | <ul style="list-style-type: none"> • 2-in-1 operation pliers that allow SHIMANO QUICK-LINK to be installed and removed manually • Simple and easy to use • Ergonomic and comfortable handles offer excellent grip • Wire latch holds handles together when not in use • Great to use at home and in the workshop |
| Code no. | Y13022000 |

TL-DUE60

Chain tension measurement tool



| | |
|-----------------|---|
| Usage | Chain tension measurement tool for SHIMANO E-BIKE SYSTEMS internal geared hub models |
| USP | Can be measured and adjusted the chain tension from either the top or bottom of the chain |
| Code no. | YEZY00002 |

TL-EW300

Plug tool for connection and disconnection of Electric wire



| | |
|----------------------|--|
| Usage | Plug tool for connection and disconnection of EW-SD300 |
| Compatibility | EW-SD300 |
| Code no. | Y7HE40000 |

TL-EW02

Plug tool for connection and disconnection of Electric wire



| | |
|----------------------|---|
| Usage | Plug tool for connection and disconnection of EW-SD50 |
| Compatibility | EW-SD50 |
| Code no. | Y6VE16000 |

TL-FC430

Lock ring tool for DU-EP801/EP600



| | |
|----------------------|---|
| Usage | Installation and removal tool of lock ring for chainring |
| USP | <ul style="list-style-type: none"> • Adapter style to use with TL-FC36, TL-FC33 or TL-FC32 • Precise spline profile • Hardened steel for rigidity and durability |
| Compatibility | DU-EP801/EP600 |
| Remark | An impact wrench cannot be used |
| Code no. | Y70898030 |

TL-BME02

Battery mount setting tool



| | |
|----------------------|--|
| Usage | Measurement tool for installation of battery mount |
| Compatibility | BM-EN600/BM-E8010/BM-E8016 |
| Code no. | YEZY00014 |

TL-BME03

Battery mount setting tool



| | |
|----------------------|--|
| Usage | Measurement tool for installation of battery mount |
| Compatibility | BM-E8020 |
| Code no. | YEZY00015 |

TL-BME04

Battery mount setting tool



| | |
|----------------------|--|
| Usage | Measurement tool for installation of battery mount |
| Compatibility | BM-EN801/BM-EN800/ BM-E8030/BM-E8031 |
| Code no. | Y13000050 |

TL-BME05

Battery mount setting tool



| | |
|----------------------|---|
| Usage | Measurement tool for installation of battery mount (For 630Wh battery case) |
| Compatibility | BM-EN801/BM-EN800/ BM-E8030/BM-E8031 |
| Code no. | Y13000070 |




TL-BME06 NEW

Battery mount setting tool



| | |
|----------------------|--|
| Usage | Measurement tool for installation of battery mount |
| Compatibility | BM-EN810-A |
| Code no. | Y2NT98010 |

Internal assembly of internal geared hub

| | | | | Axle length (mm) | | | | |
|---|----------|-----------|----------------------------|------------------|-----------|-----------|-----|---|
| | Speed | Series | Model no. | 182 | 184 | 187 | 193 | Others |
|  SG-C7000-5D  SG-C3001-7D  SG-C6001-8D | 3-speed | 3CC | SG-3C-41 | - | - | - | - | Y35U98010 (168) Y33R98020 (175) Y35U98020 (178) |
| | | | SG-3C41-DX | - | - | - | - | Y35U98010 (168) Y33R98020 (175) |
| | 5-speed | 5C | SG-C7000-5C | - | - | Y3FH98010 | - | - |
| | | | SG-C7050-5C | - | - | Y3FE98010 | - | - |
| | | 5CD | SG-C7002-5CD | - | - | Y3J098010 | - | - |
| | | 5D | SG-C7000-5D | - | - | Y3FJ98010 | - | - |
| | | | SG-C7050-5D | - | - | Y3FF98010 | - | - |
| | | 5R/5V | SG-C7000-5R SG-C7000-5V | - | - | Y3FG98010 | - | - |
| | | | SG-C7050-5R SG-C7050-5V | - | - | Y3FD98010 | - | - |
| | 7-speed | 7C | SG-C3001-7C | - | - | - | - | Y3EV98150 (176) |
| | | | SG-C3001-7C-DX | - | Y3EV98020 | - | - | Y3EV98010 (176) |
| | | 7D | SG-C3001-7D | - | - | Y3EW98010 | - | - |
| | | 7R | SG-C3001-7R | Y3ET98010 | - | - | - | Y3ET98020 (201) |
| | 8-speed | 8C | SG-C6001-8C | - | Y3EJ98010 | - | - | - |
| | | 8CD | SG-C6001-8CD | - | - | Y3EL98010 | - | - |
| | | 8D | SG-C6001-8D | - | - | Y3EK98010 | - | - |
| | | | SG-C6061-8D | - | - | Y3EE98030 | - | - |
| | | 8R/8V | SG-C6001-8R SG-C6001-8V | - | Y3EH98010 | - | - | Y3EH98020 (203) |
| | | | SG-C6011-8R SG-C6011-8V | - | Y3EG98010 | - | - | - |
| | 11-speed | ALFINE-11 | SG-S7001-11 | - | - | Y3EN98010 | - | - |
| | | | SG-S7051-11 | - | - | Y3EM98010 | - | - |
| | 8-speed | ALFINE-8 | SG-S7001-8 | - | - | Y3EB98010 | - | - |
| | | | SG-S7051-8 | - | - | Y3EA98010 | - | - |

MEMO

[illegible]

Service & Warranty

ALWAYS THERE

As sure as wheels turn, bikes need fine-tuning from time to time. The more fun you have, the more parts like your chain and brake pads will wear out. But replace them promptly and your bike will serve you well and give you pleasure for many years to come. That's why it's reassuring to know that a Shimano dealer is never far away. Whether you're e-biking through your hometown or hitting the hills or mountains somewhere in Europe, support is always around the corner.

- Shimano Quality Standard
- 2-year warranty on all components – including battery
- Dedicated user-friendly software platform for e-bike set-up
- Fast, high-quality service – anywhere in the world



FAQ

SHIMANO E-BIKE SYSTEMS FAQ

<https://bike.shimano.com/support-and-service/faq/STP0A.html>



E-TUBE PROJECT Professional FAQ

<https://bike.shimano.com/support-and-service/faq/EPP0A.html>



E-TUBE PROJECT Cyclist FAQ

<https://bike.shimano.com/support-and-service/faq/EPC0A.html>



SHIMANO E-BIKE SYSTEMS come equipped
with a wide variety of bicycle brands.
Visit our website to explore your favourite brands – and
don't forget to check out the news section for events
where you can test ride these bikes.

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