

SHIMANO

2026 E-BIKE PRODUCT
CATALOGUE

SHIMANO

E-BIKE
SYSTEMS

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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.

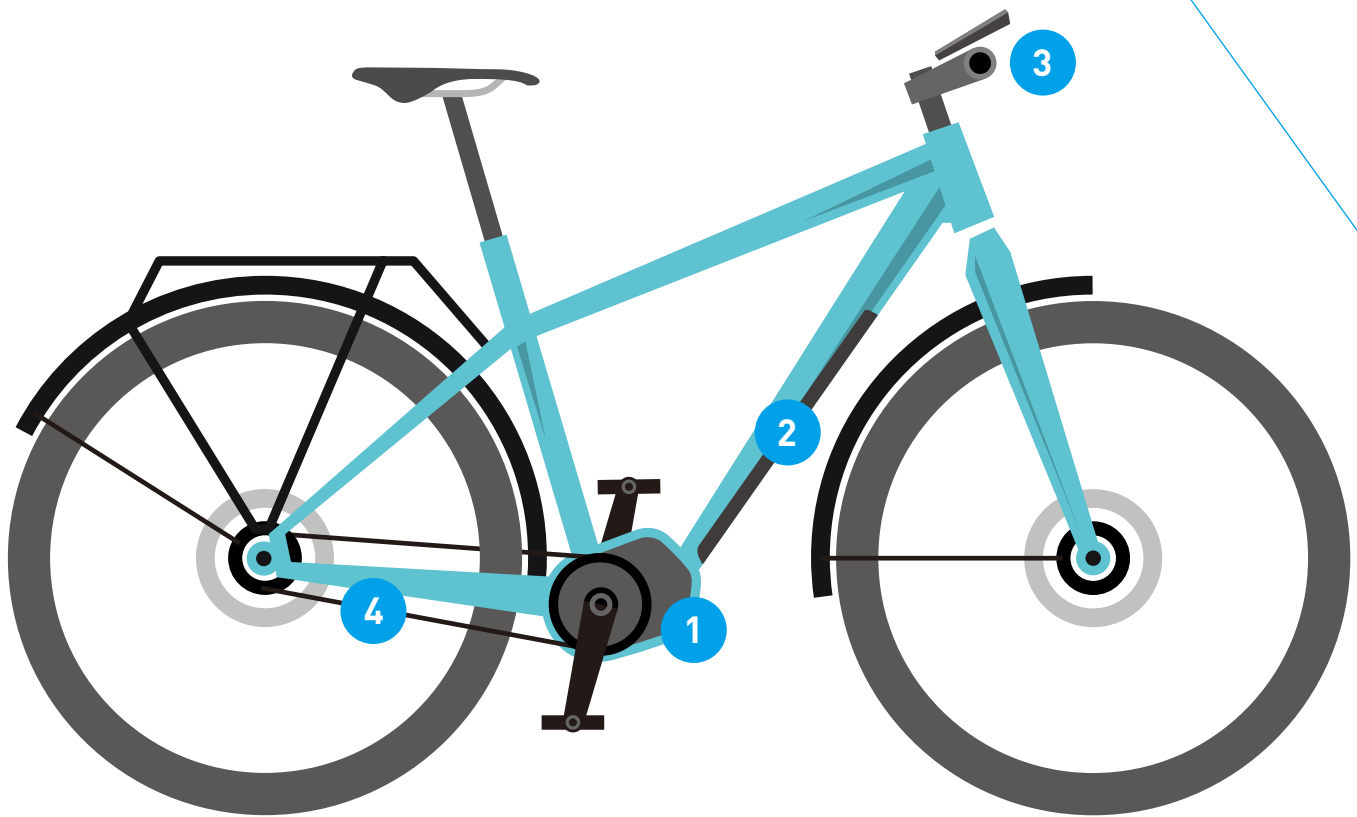
They're designed to emulate the riding motion of a regular bike and – thanks to the intuitive pedal-assist – you'll barely notice you're on an e-bike. But you will benefit from the extra support.

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.

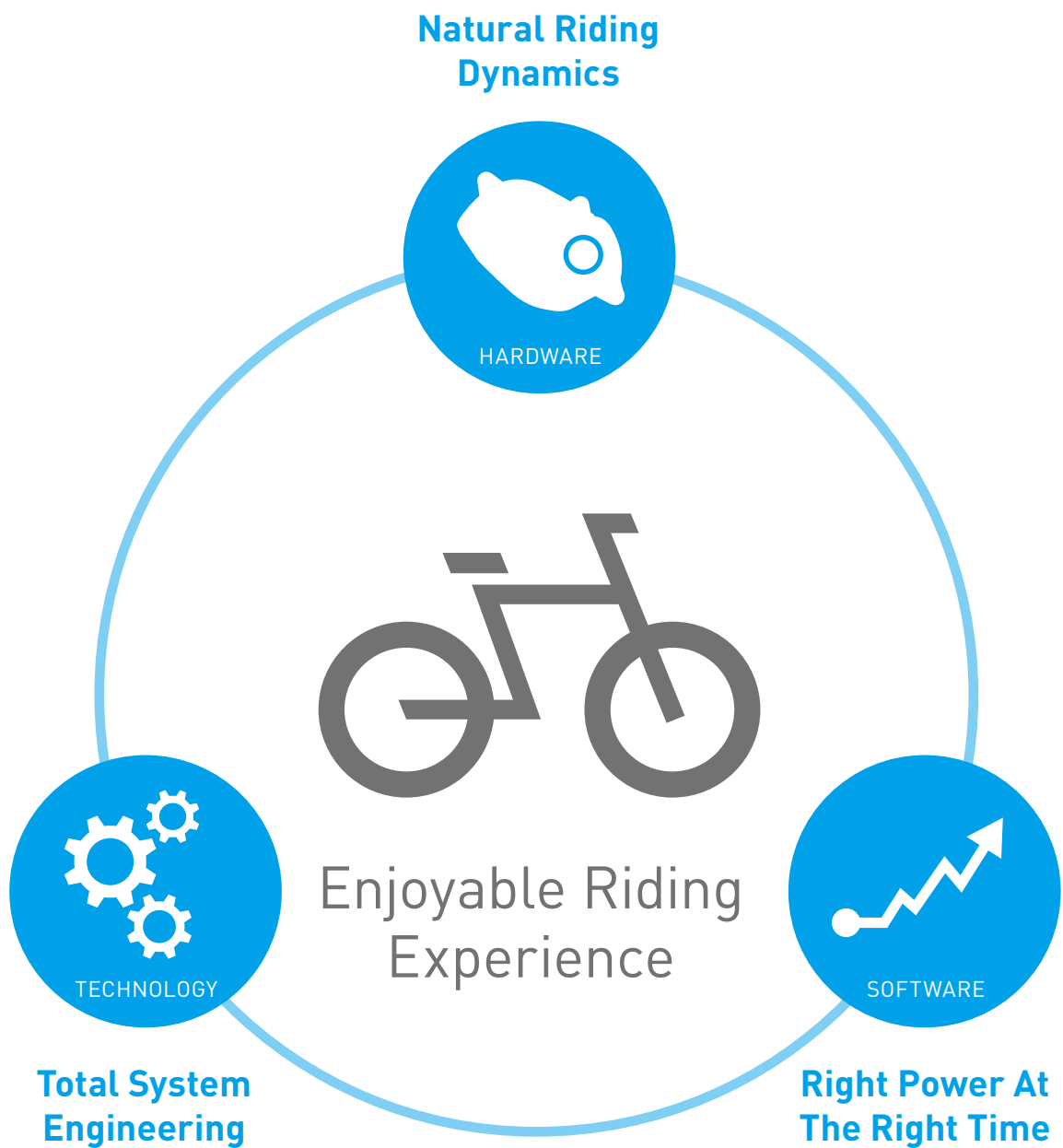
4 — Drivetrain

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

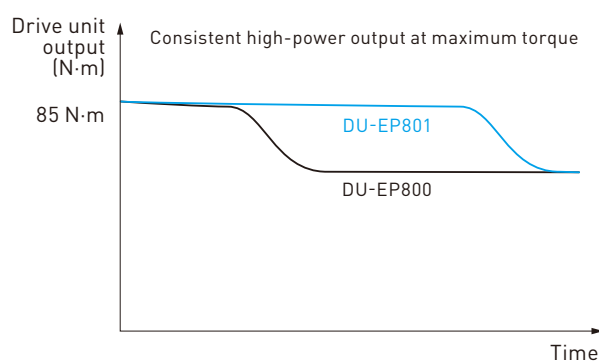
Quieter

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.

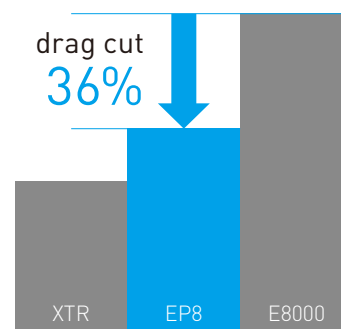


Smoother Pedaling

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.

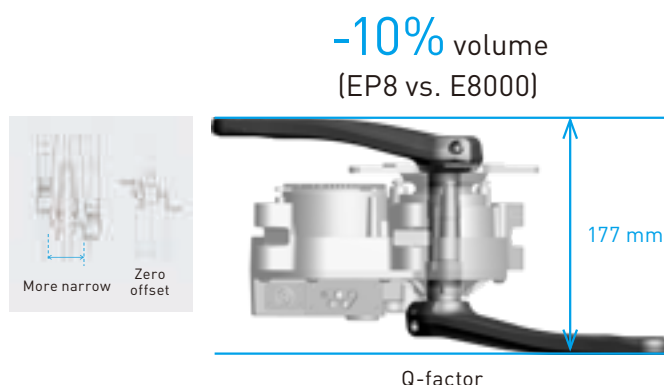


DRAG COMPARISON (%)

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.

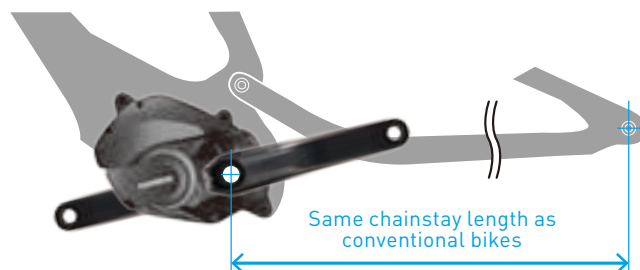
When you exceed the motor-assist limit of 25 km/h, you'll appreciate this natural feel as you get the most out of each pedal stroke.



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.

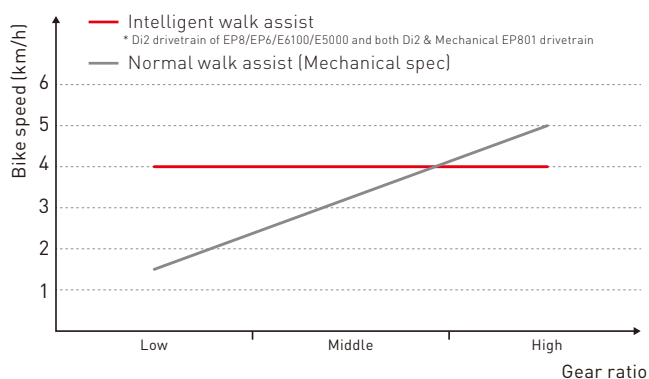


Intelligent Walk Assist*

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)



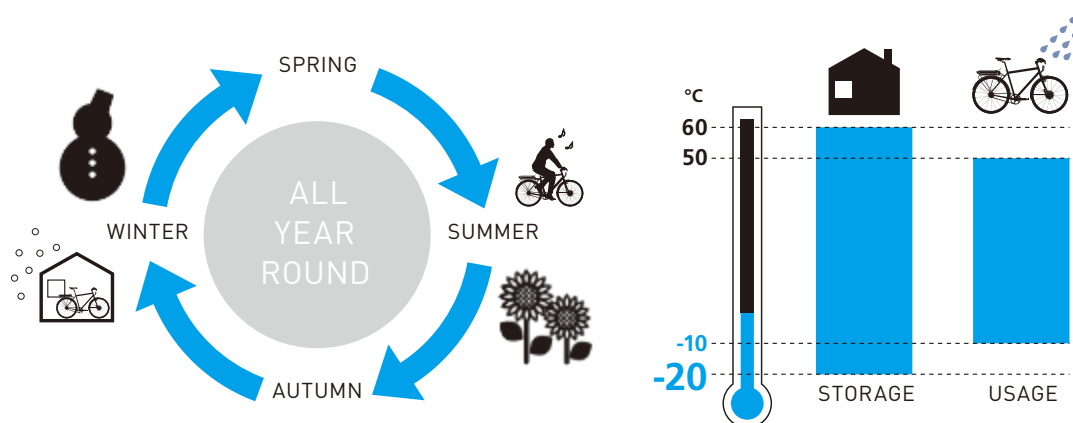
	Intelligent walk assist	
	Di2 drivetrain	Mechanical drivetrain
EP801/EP600/EP500	✓	✓
E8000/E7000/E6100/E6110/E5100	✓	—

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.

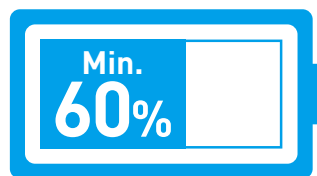
* Some products are not IPX5 rated.



Anti-aging Battery

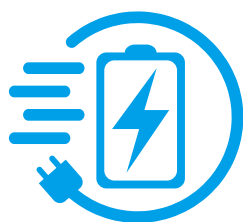
The durable battery retains a greater charge for a longer time

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

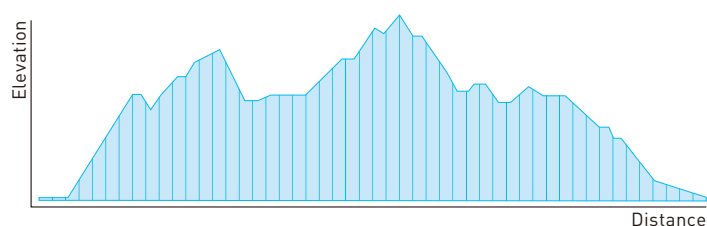
RIDING DISTANCE

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

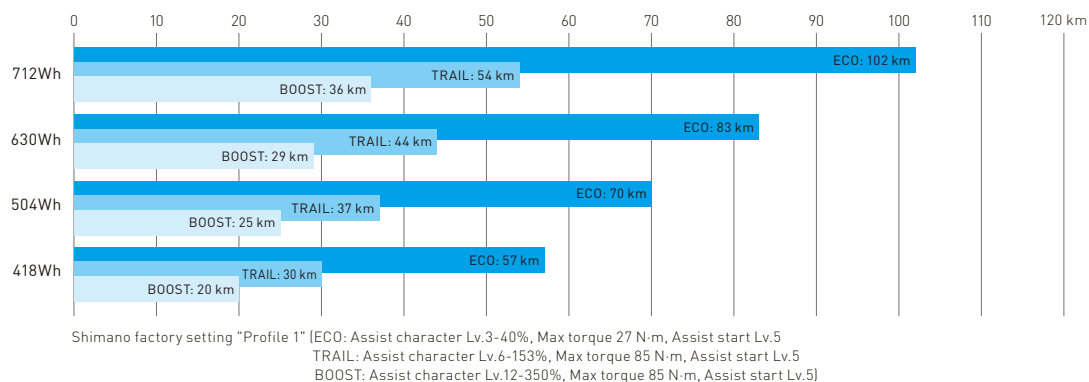
Singletrack Course* Performance

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

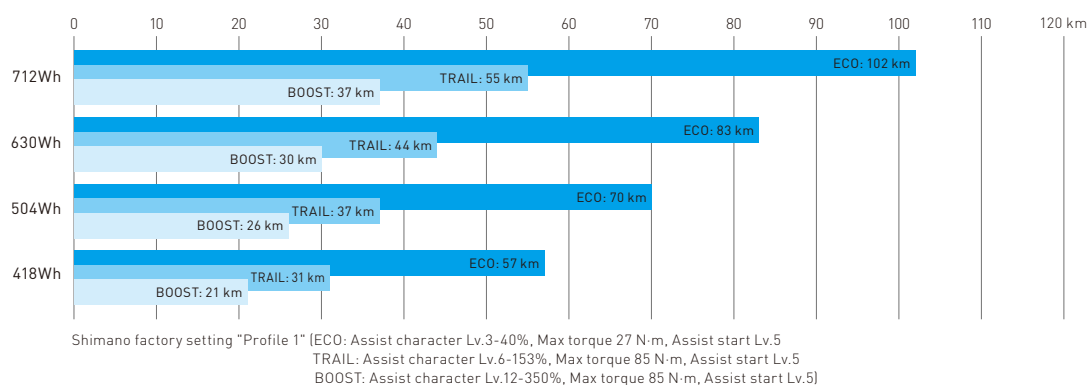


* Testing conditions:
 Terrain type: Single track course
 One loop course:
 -Distance: 3,400 m;
 -Total Elevation: 150 m;
 -Average (incline) gradient on climbing: 8.1%;
 -Max. gradient on climbing: 16.7%
 Rider weight: 80 kg
 Cadence: 60 rpm;
 MTB bike with 27.5 x 2.6 MTB tire
 Temperature: 23°C
 Without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

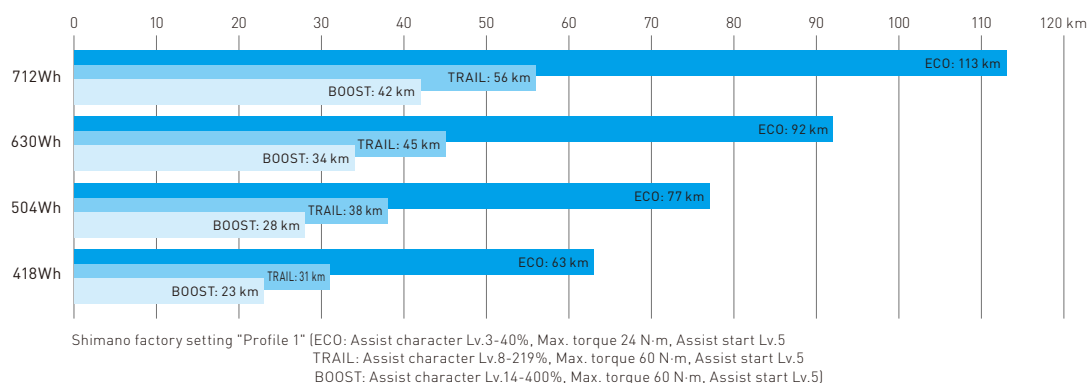
DU-EP801 e-MTB



DU-EP600 e-MTB



DU-EP500 e-MTB



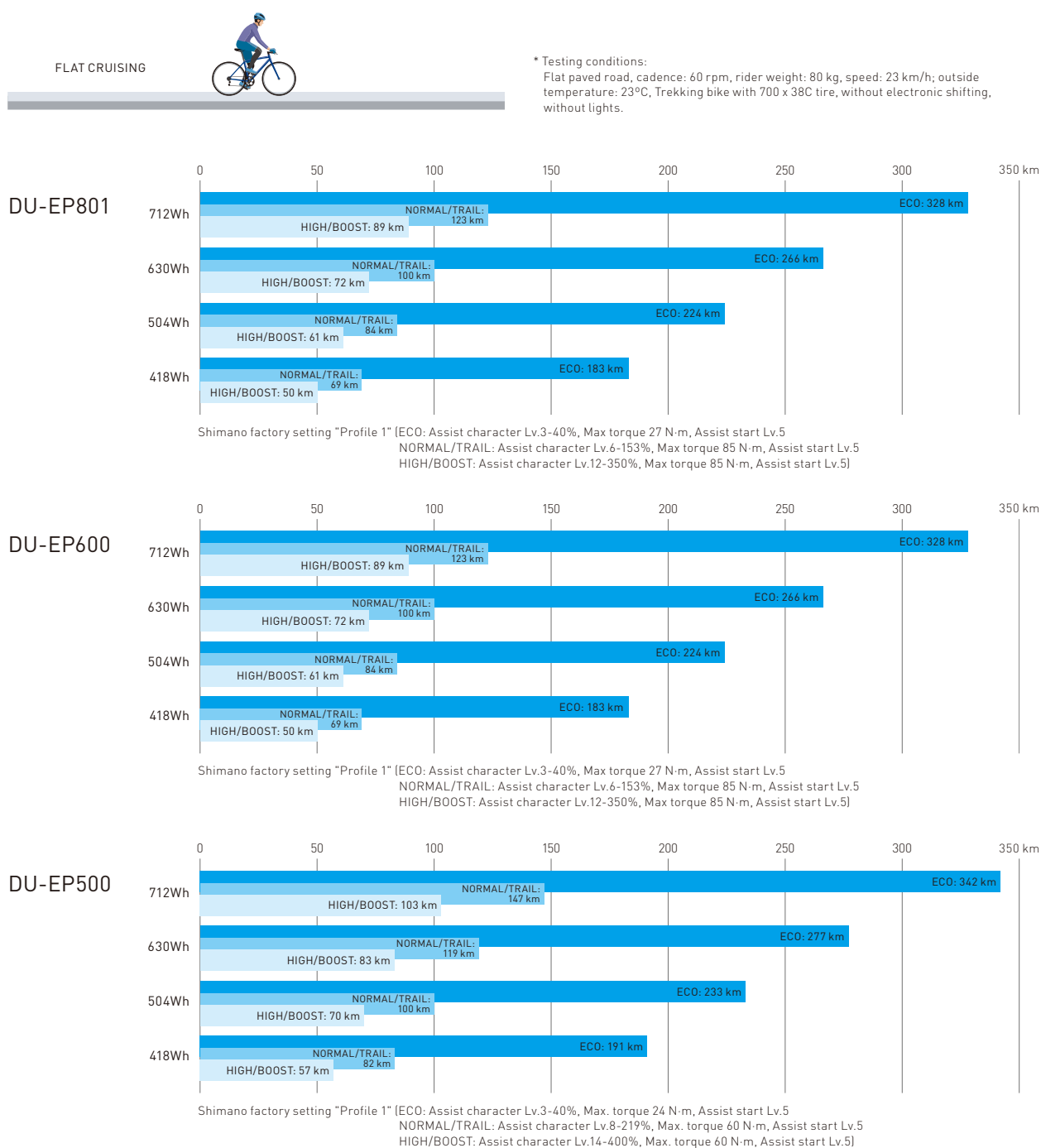
Note: These figures represent expected range for new rechargeable batteries and may vary over time or if used outside of these specific testing conditions.

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.

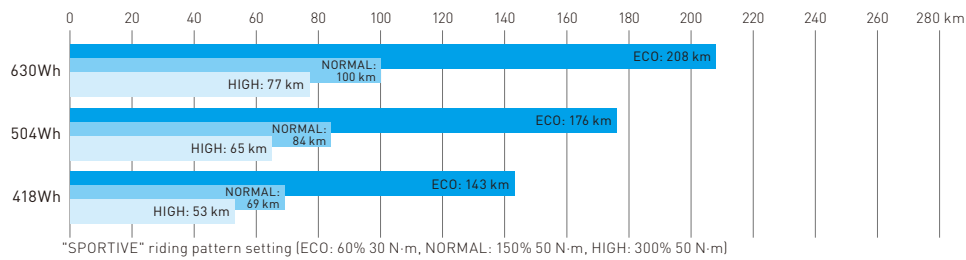
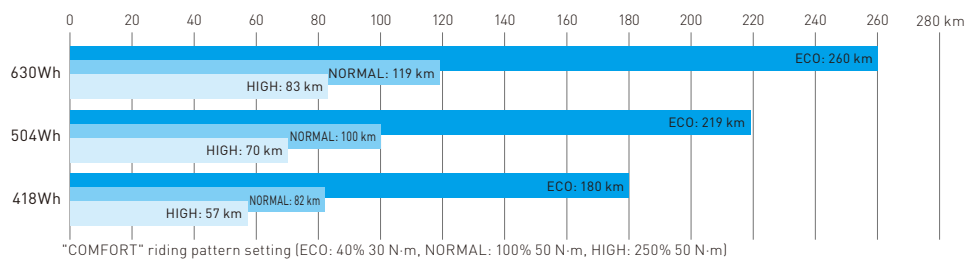
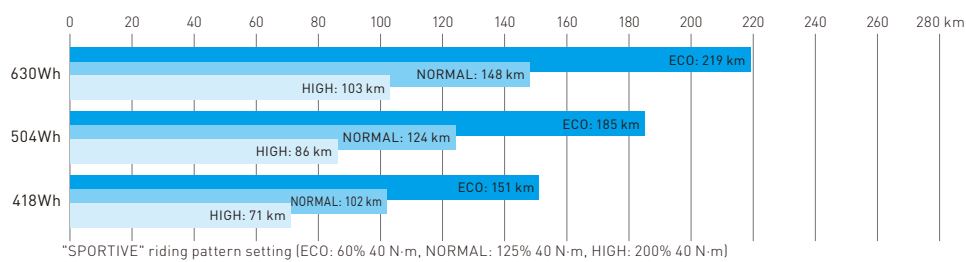
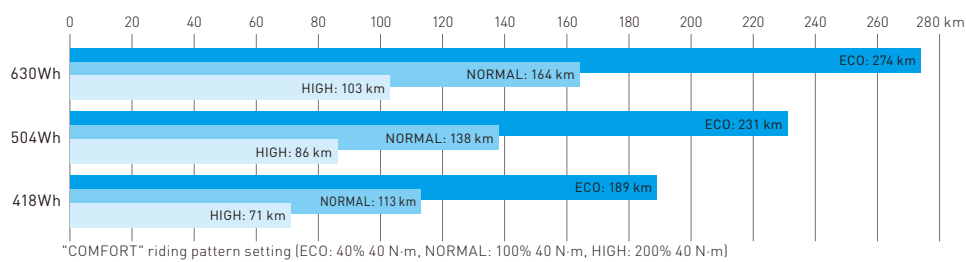
Flat Paved Road Course* Condition

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

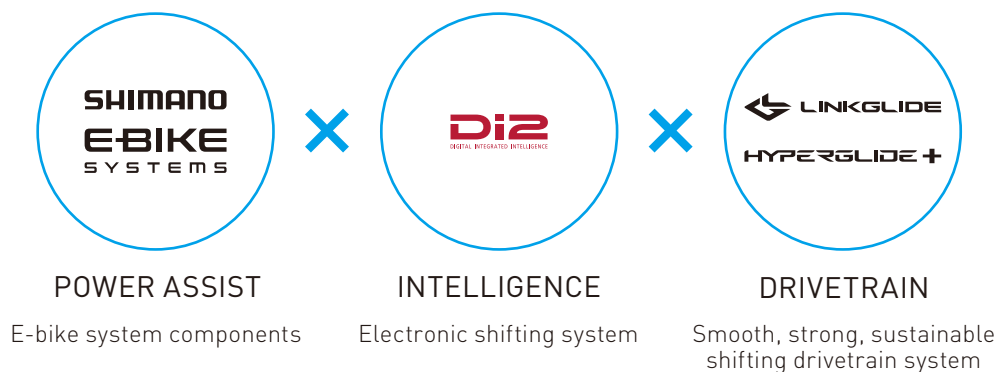
Note: These figures represent expected range for new rechargeable batteries and may vary over time or if used outside of these specific testing conditions.

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.

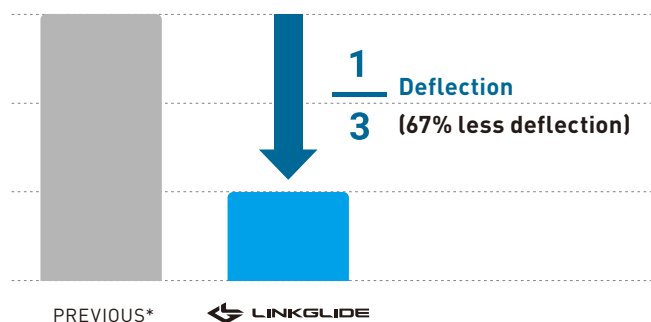
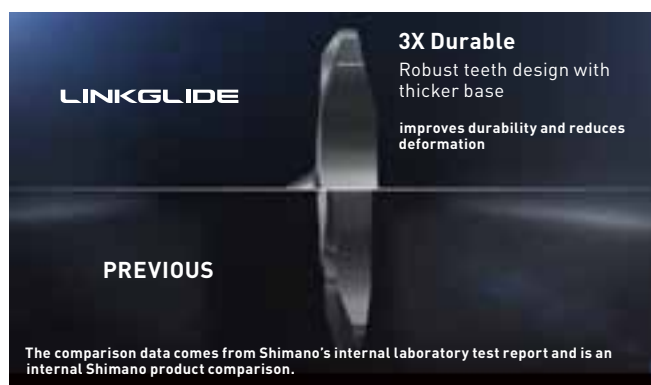
3X Smoother

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

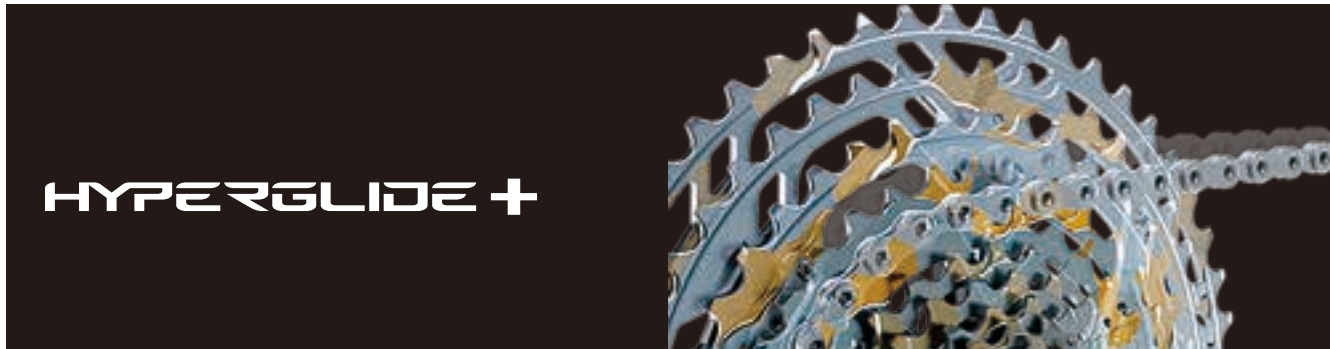
Smoother pedaling from start to finish

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.



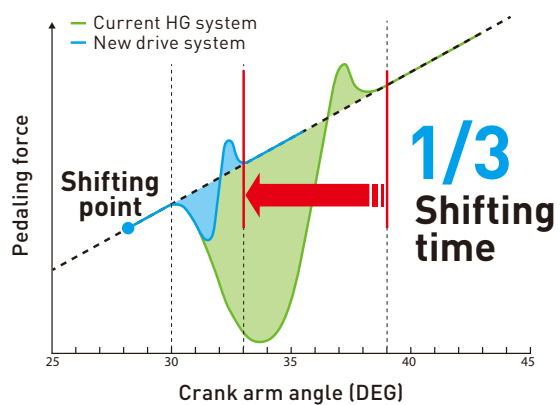
Test condition: repeated inward and outward shifting.
The average data of 11T, 13T, 15T
*PREVIOUS = HG (HYPERGLIDE)



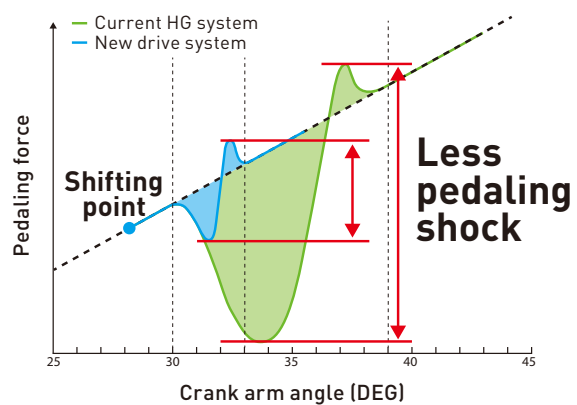
HYPERGLIDE+ drivetrain's redesigned cassette and chain support next-generation riding by enhancing speed, shifting efficiency and smoothness over any terrain.

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

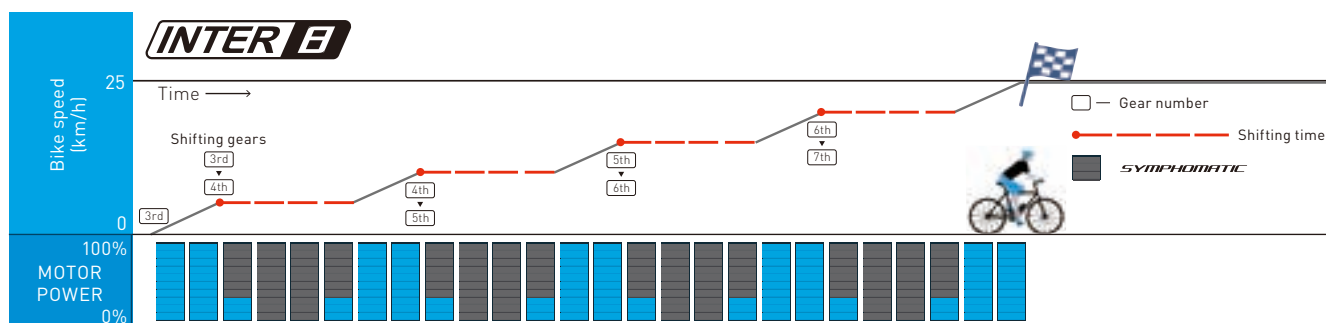
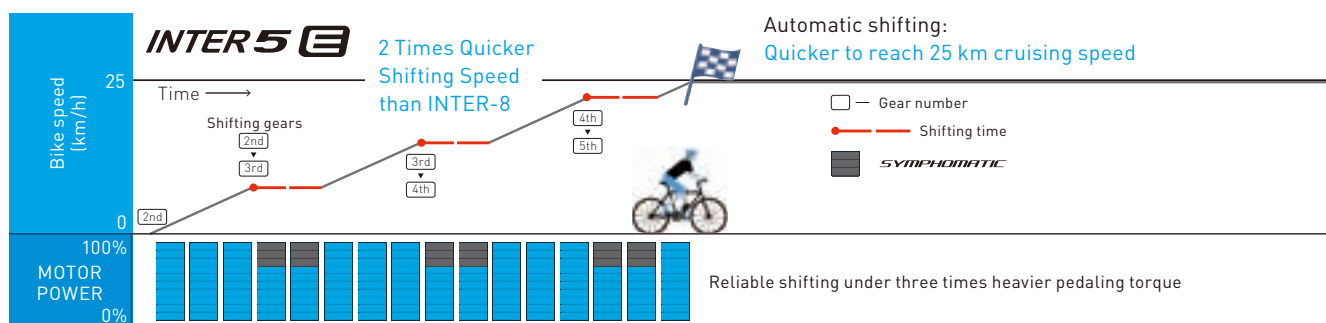


E-bike Di2 Internal Geared Hub Automatic Shifting (INTER-8/INTER-5E)

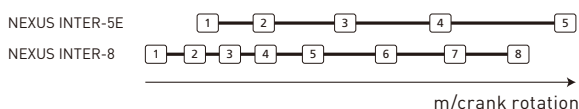
INTER5 -BIKE DESIGN

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

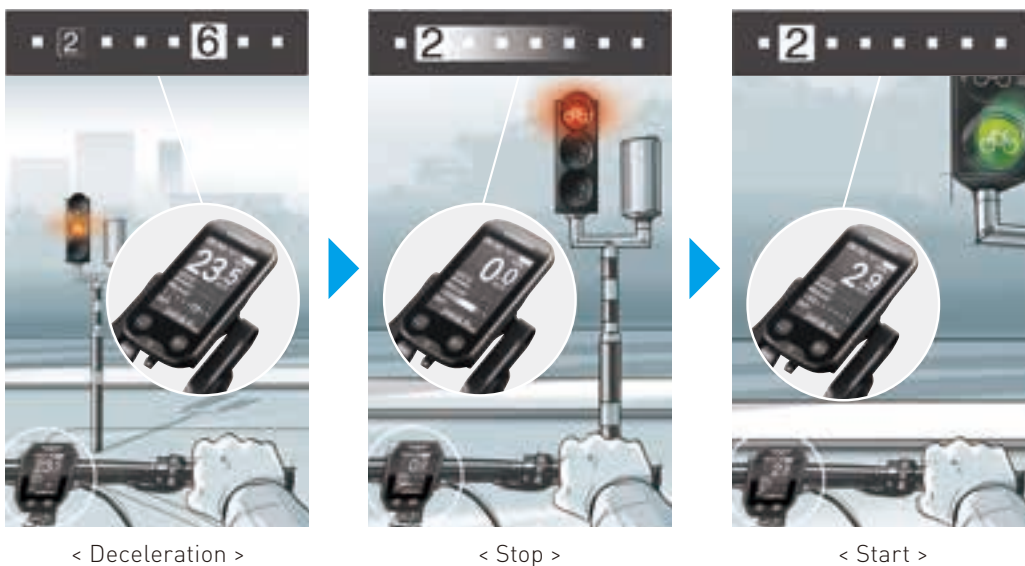
SHIMANO E-BIKE SYSTEMS computer-assisted shifting system provides more responsive and stable shifting performance. This innovative system monitors rider's motion and determines the optimal timing to momentarily decrease power to the pedal assist motor. The temporary reduction of chain tension allows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

Start Mode

INTER 11 INTER 13 INTER 5 

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

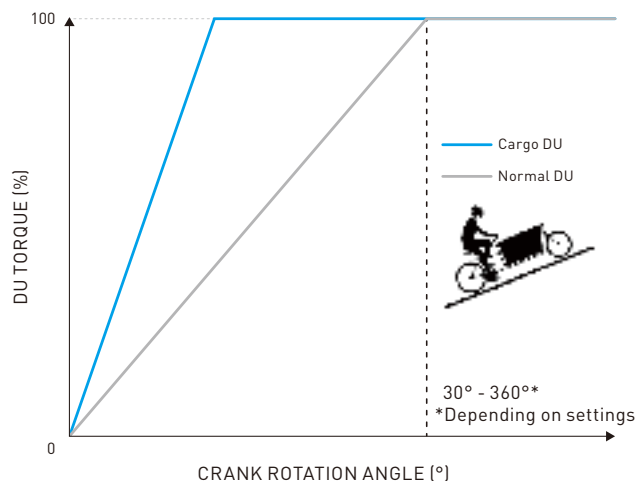
Uninterrupted Power Delivery

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

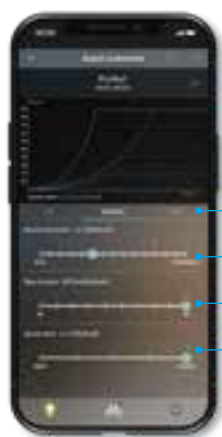
You can customize assist profiles (1 or 2) in our E-TUBE PROJECT Cyclist App

* 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.



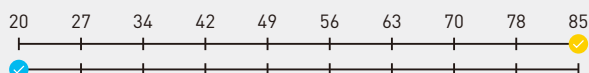
Assist character

Upper and lower max torque

Assist start

Max torque

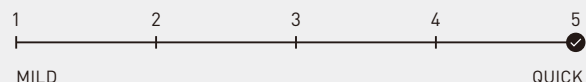
Max torque [N·m] (20 N·m - 85 N·m)



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

Assist start

Assist start (Lv.)



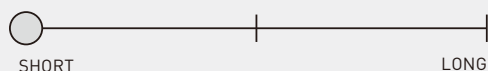
Adjust how quickly assist starts with multiple levels to choose from.

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

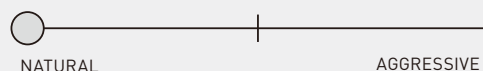
Assist carry over: SHORT



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.

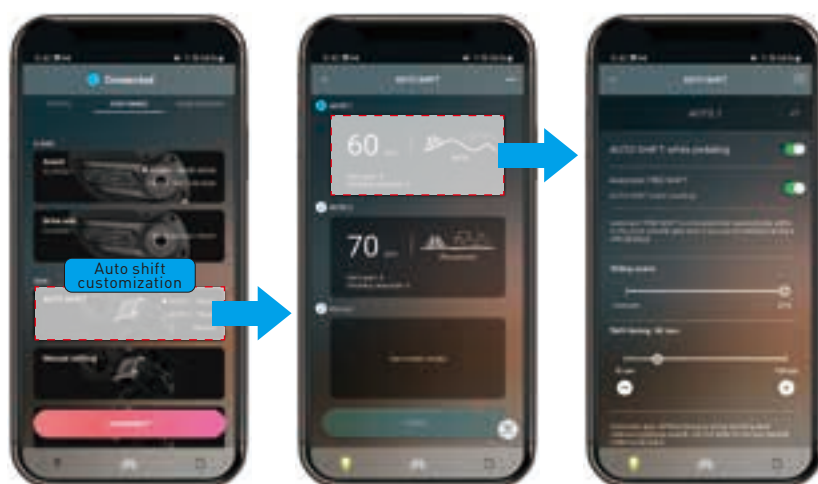
2 AUTO/FREE SHIFT CUSTOMIZATION

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.

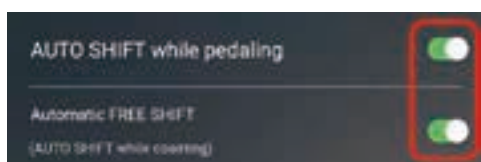
Selecting the AUTO SHIFT mode

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.

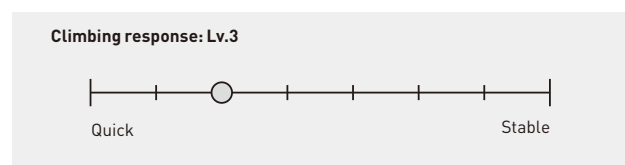
ADJUST SHIFTING TIMING



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

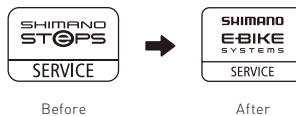


We introduced our battery service program for special service program members (darfon and trend power) to make it easier for dealers and bike brands to handle battery servicing via our extensive Shimano service network.



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

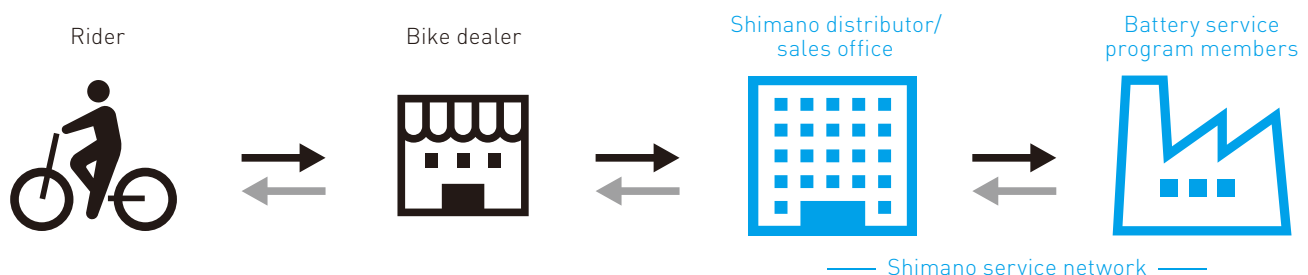
Bike makers can confidently select approved batteries that best match their desired build with the knowledge that they will be covered by our extensive Shimano service network.

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.

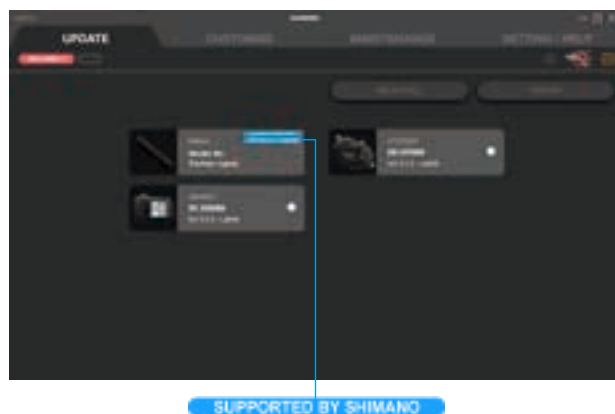
Option A: check the battery

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



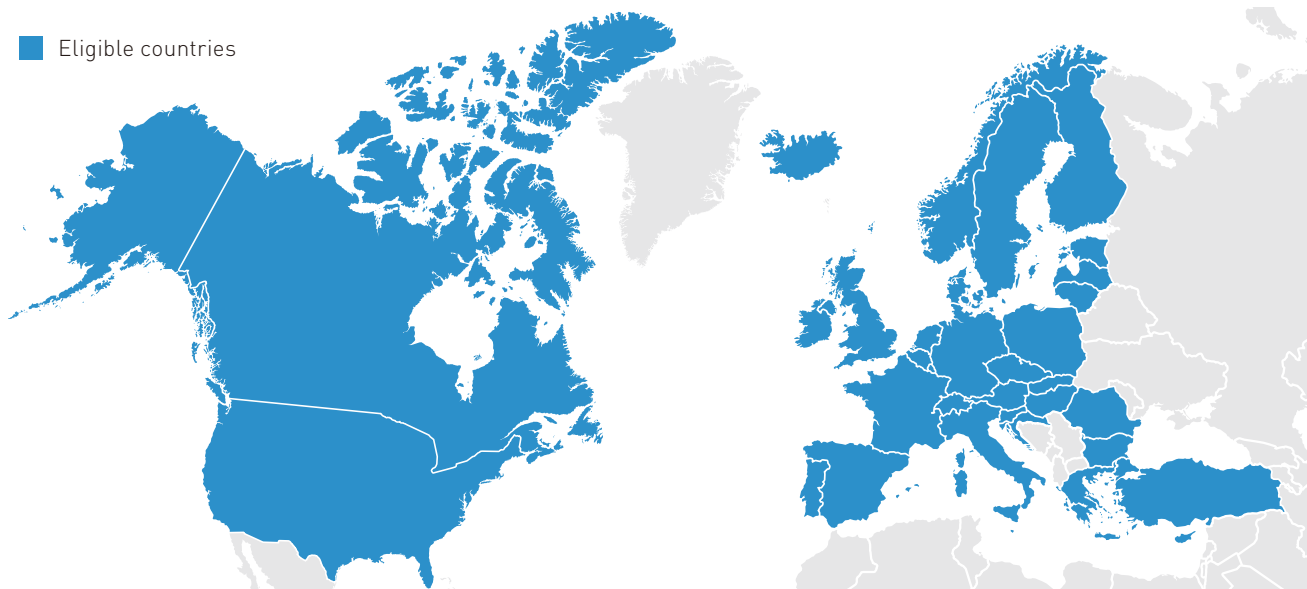
Option B: check E-TUBE PROJECT

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.

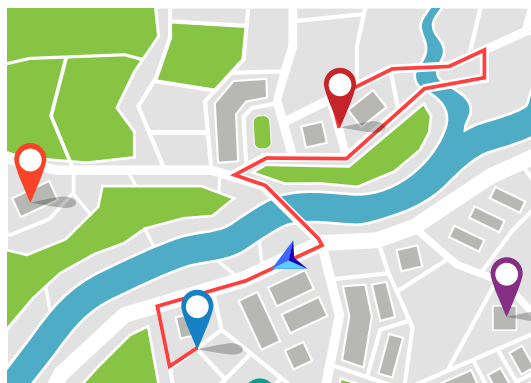
Want to ride somewhere new?
Simply enter your location in the map and you'll be ready to explore!



<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

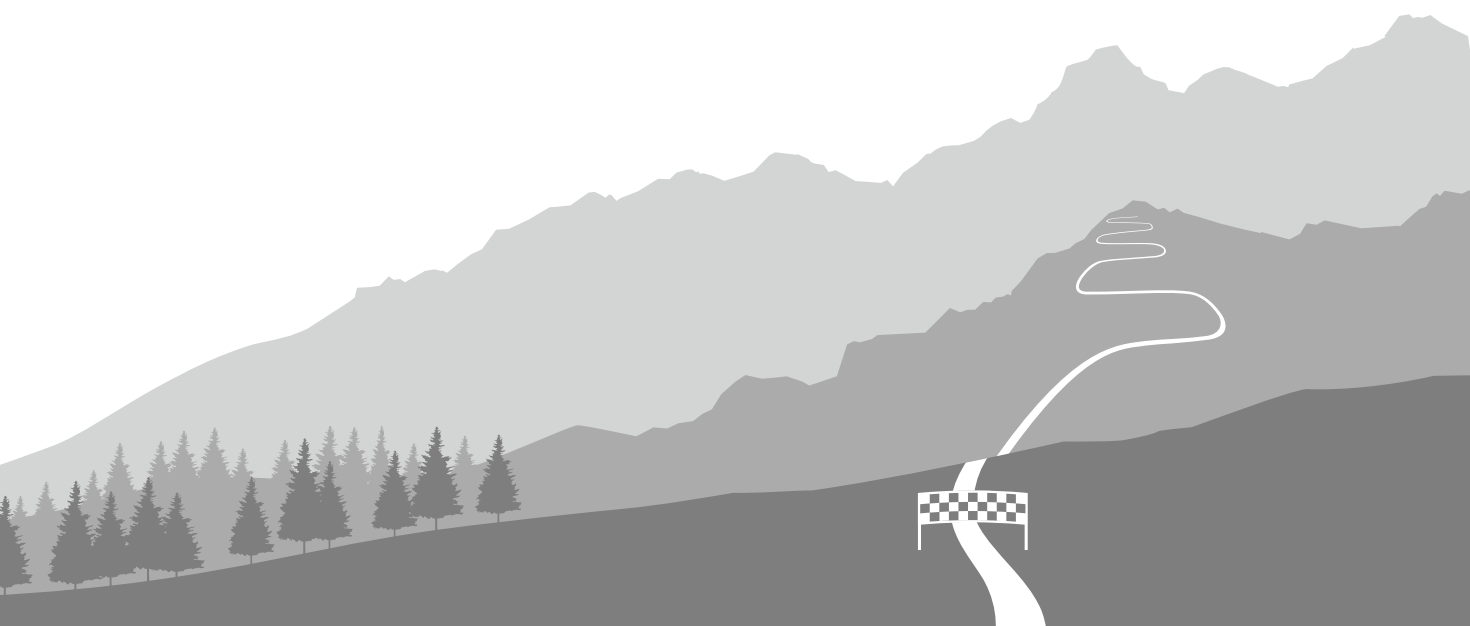
EP5



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**

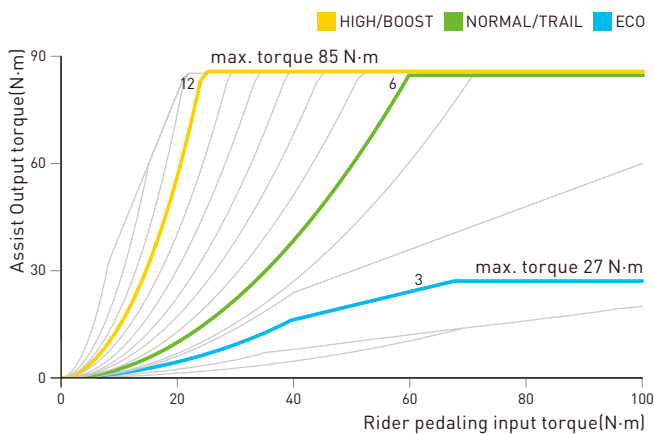
EP6 Drive Unit

- 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

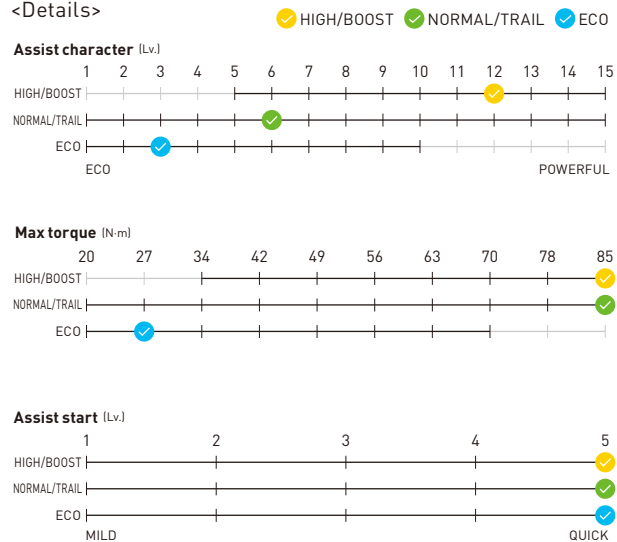
DRIVE UNIT OUTPUT FEATURE

Motor assist maximum torque/Rider pedaling input torque

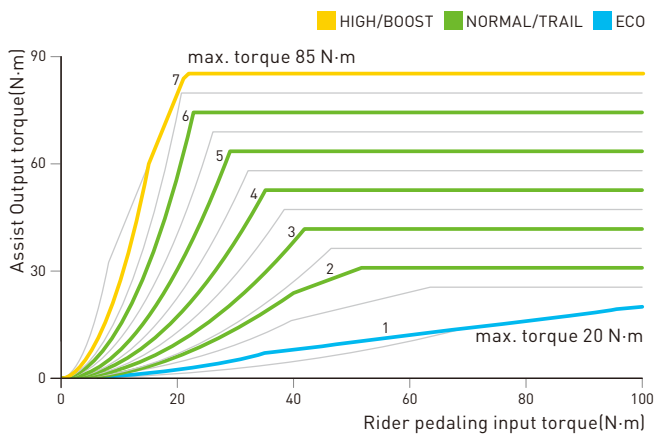
EP801/EP600 Profile 1 (Shimano factory setting: BASIC MODE)(Rear derailleur specification)



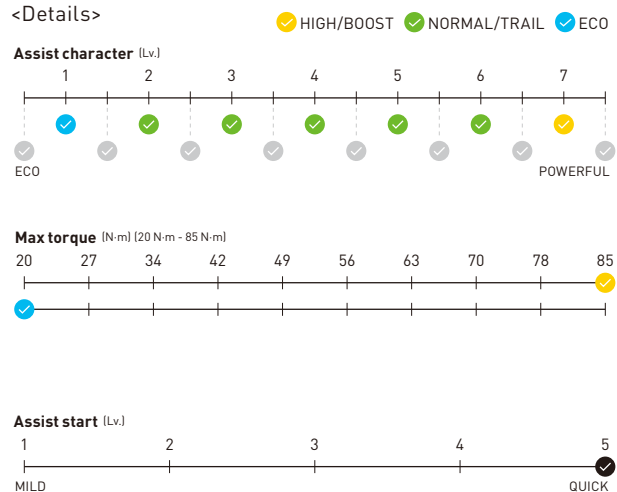
<Details>



EP801/EP600 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.

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

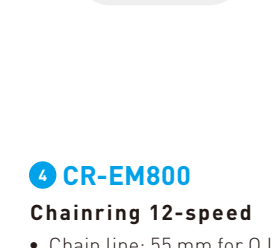
SHIMANO DEORE XT HOLLOWTECH E-MTB Crank Arm Set

- 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)**

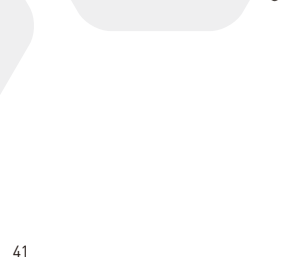
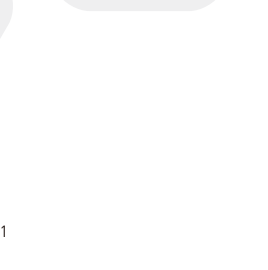
- Capacity: 504 Wh (36 V, 14 Ah)

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

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		SHIMANO 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		Forward/backward, upward/downward	Forward/backward, upward/downward	Forward/backward, upward/downward
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

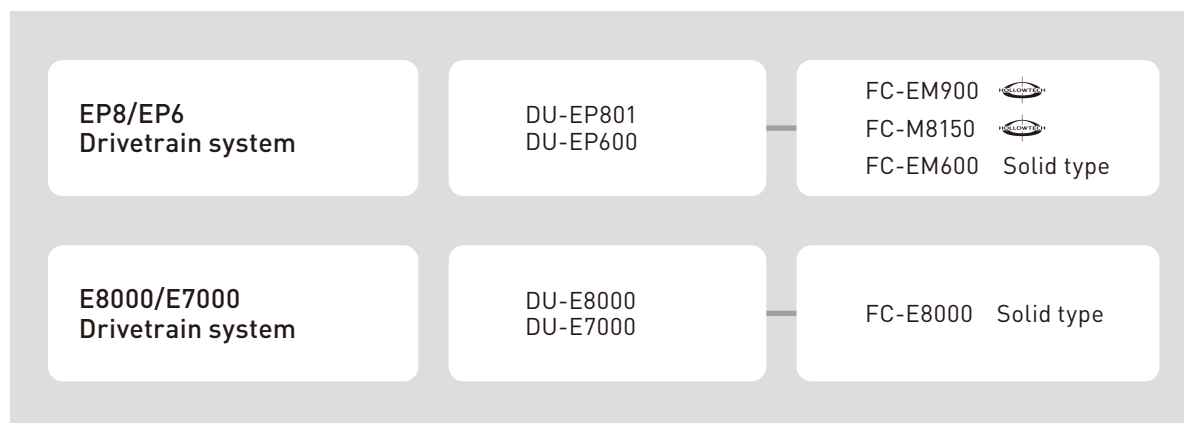


FC-EM600
E-MTB Crank Arm Set



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

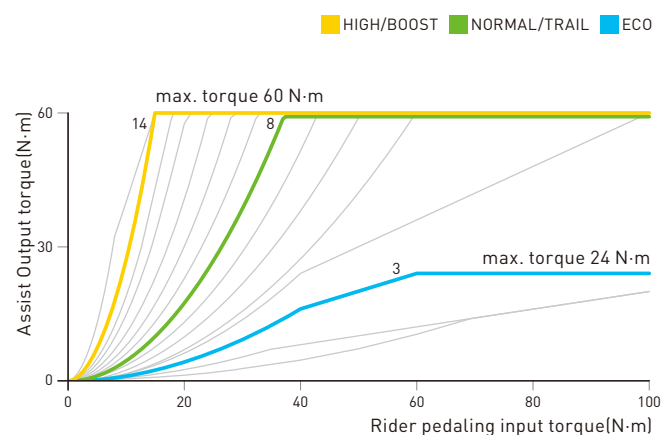
EPS | EP500



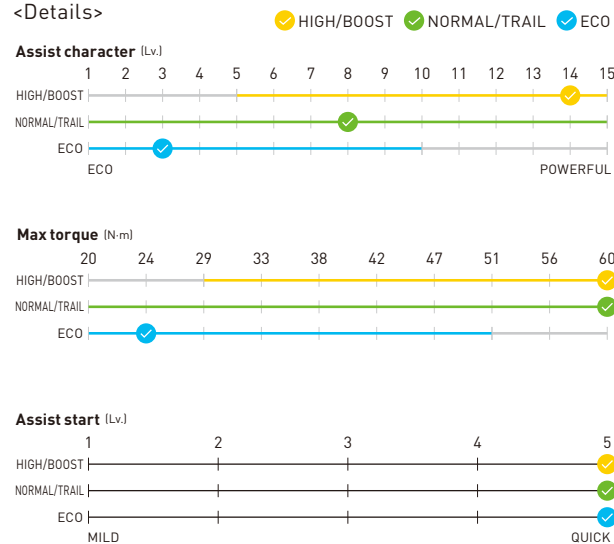
DRIVE UNIT OUTPUT FEATURE

Motor assist maximum torque/Rider pedaling input torque

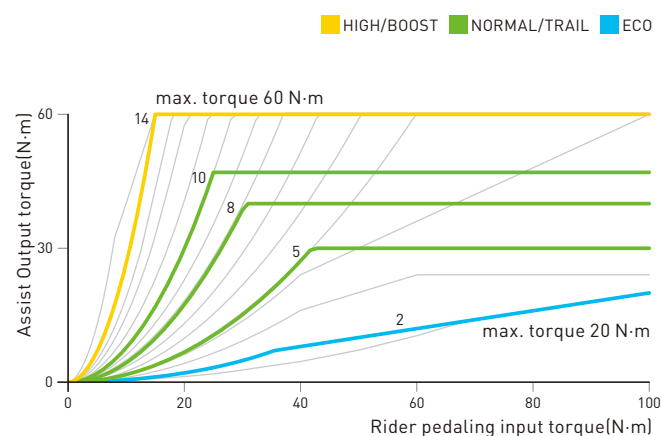
EP500 Profile 1 (Shimano factory setting: BASIC MODE)(Rear derailleur specification)



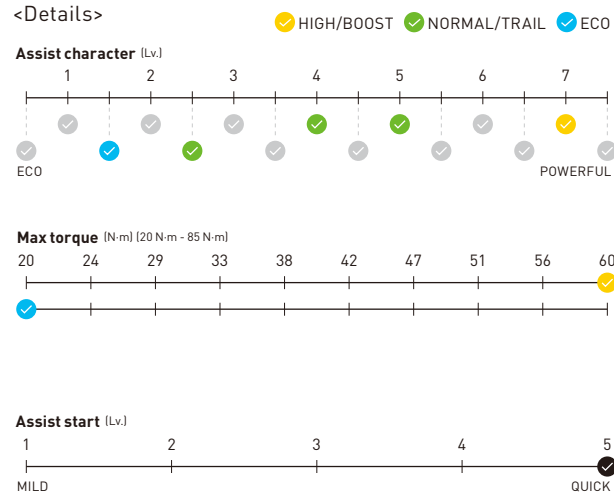
<Details>



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



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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



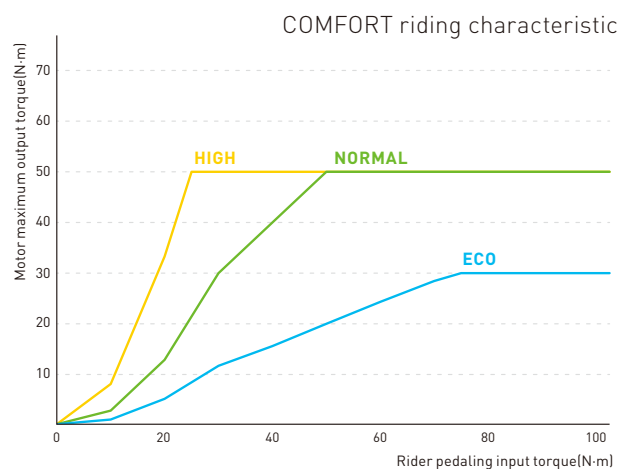
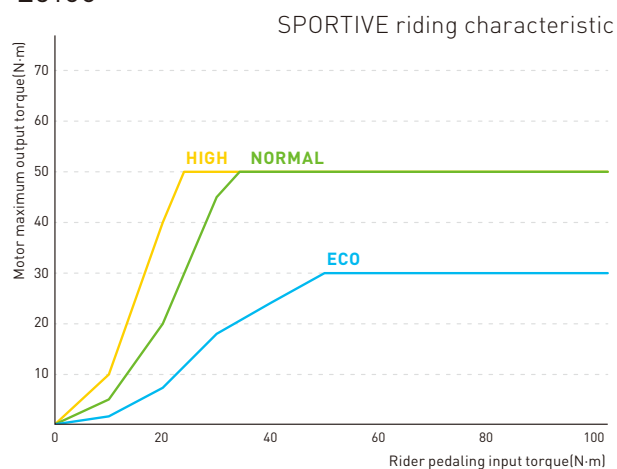
SHIMANO
E-BIKE
SYSTEMS | E5000



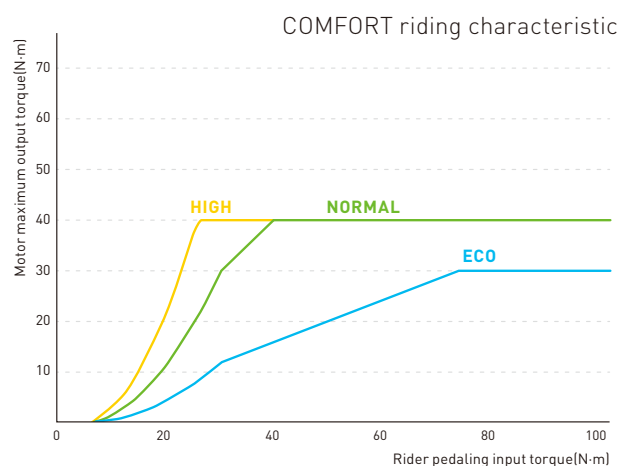
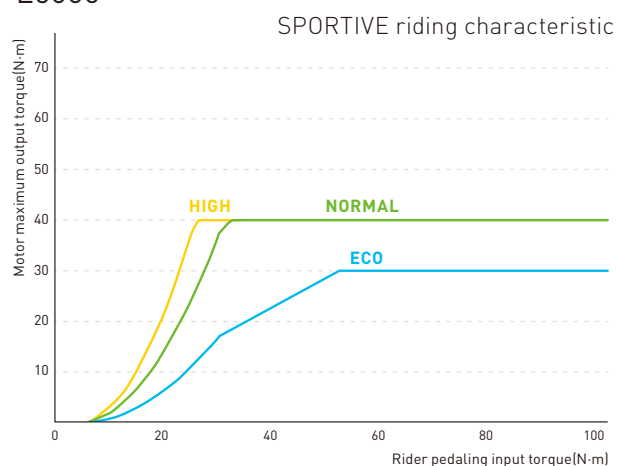
DRIVE UNIT OUTPUT FEATURE

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

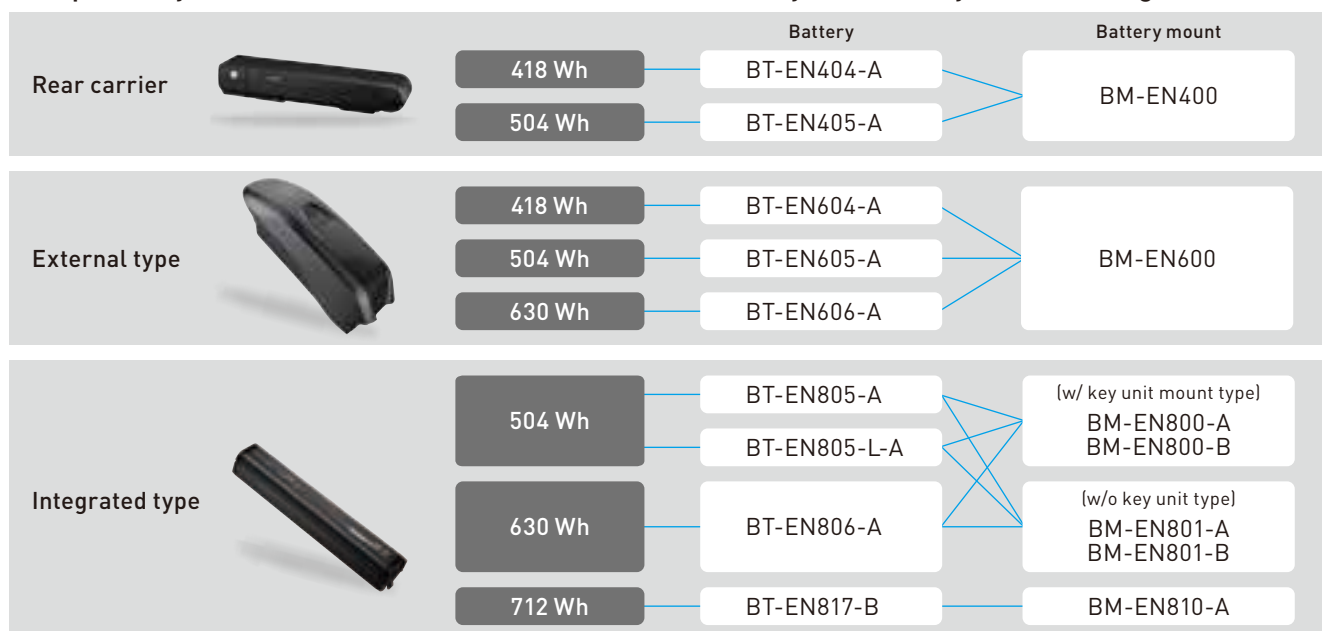
√=Yes

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

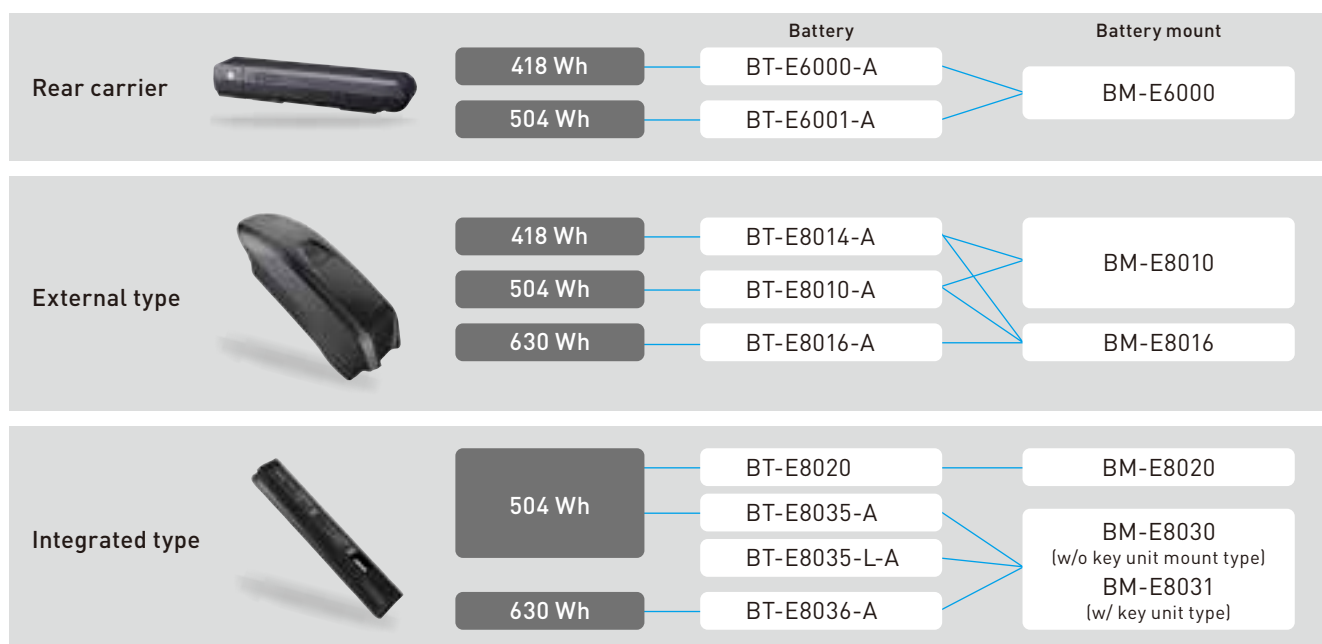
√=Yes

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-E8004

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



SM-BCC1

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

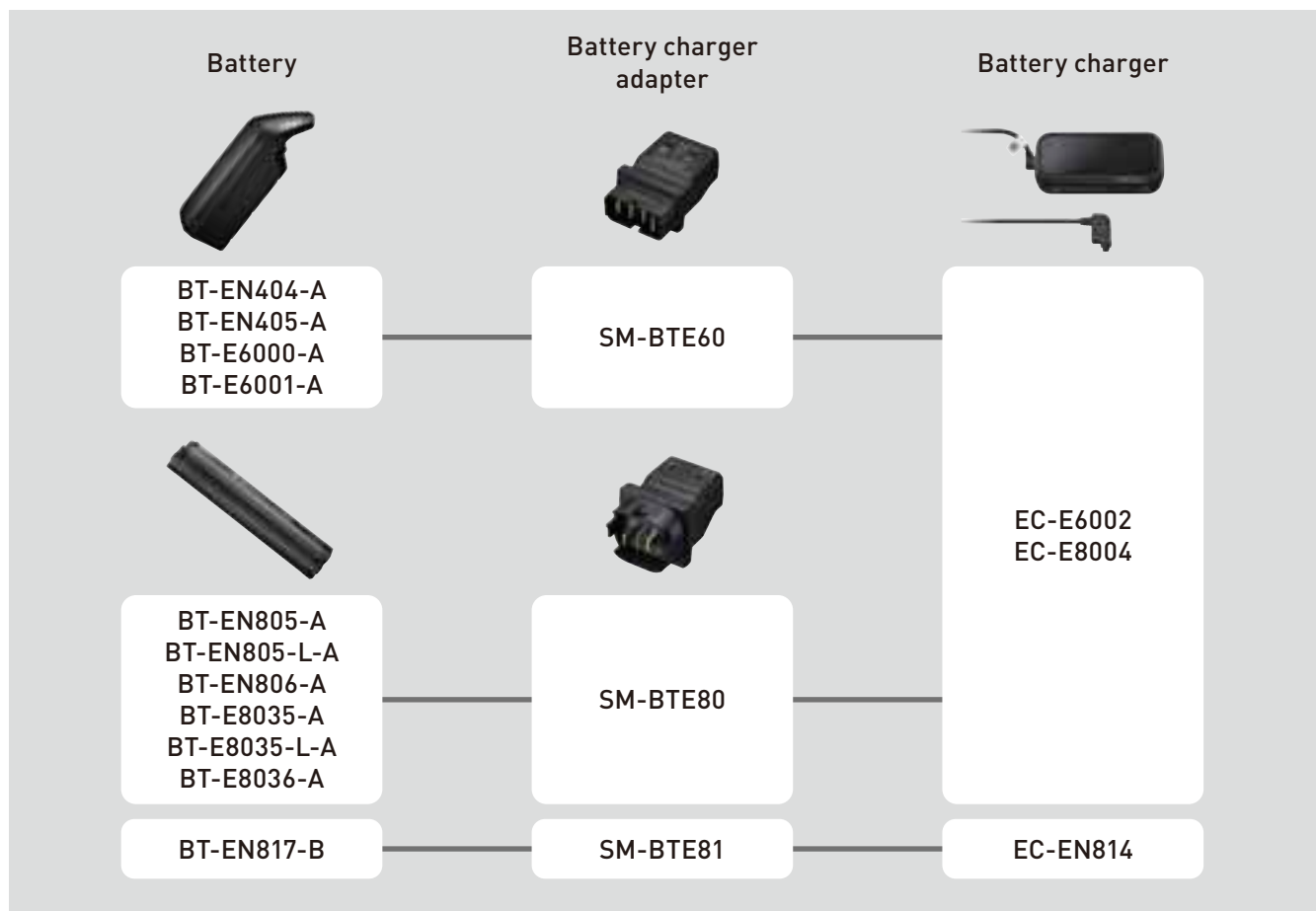
- Compact, semi-integrated frame charging port
- Cable length: 200 mm, 550 mm

Charge Time (EU/NA)

NEW

√=Yes

Model no.		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
Di2
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	
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

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

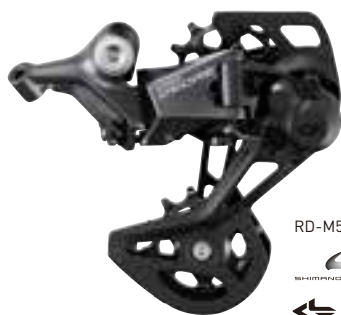
RD-M8130-SGS



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



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
LINKGLIDE

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
LINKGLIDE

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)



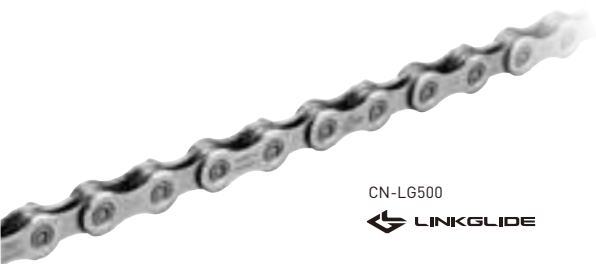
CS-LG300-9



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)	√	-
Engagement type	Hub	Pawl ratchet	Pawl ratchet
	FREEHUB body	Contact	Contact
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

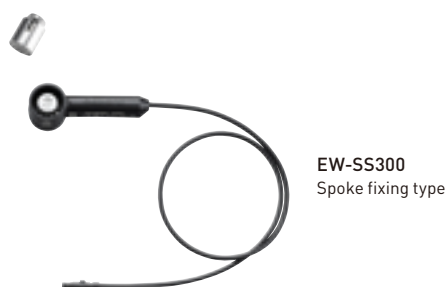
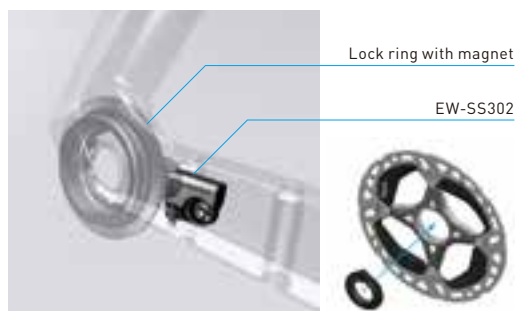
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EW-SS302

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)



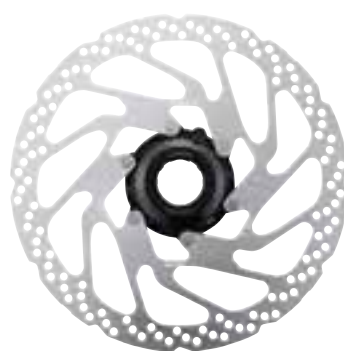
ICE
TECHNOLOGIES
FREEZE

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

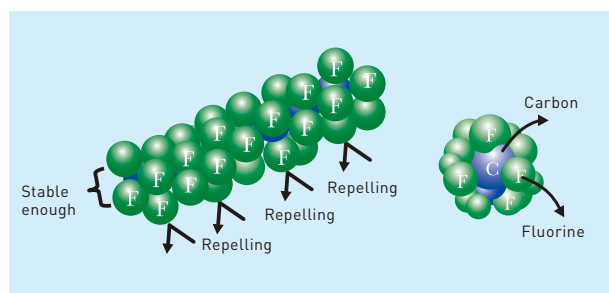
V=Yes

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	HG
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%
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Long Life

Wear and Abrasion Resistance	+20%
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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

 ICE
TECHNOLOGIES
Four
Piston

BR-M9220 **NEW**

 Hydraulic Disc Brake
4-Piston Caliper

 ICE
TECHNOLOGIES
Four
Piston

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
		Material	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	 ICE TECHNOLOGIES FREEZA			X	X	203 mm	X	-	IRTCL900LJ		
X						X	180 mm	X	-	IRTCL900MJ			
X						X	160 mm	X	-	IRTCL900SJ			
		RT-CL800				 ICE TECHNOLOGIES FREEZA		X	X	203 mm	X	-	IRTCL800LJ
X								X	180 mm	X	-	IRTCL800MJ	
X								X	160 mm	X	-	IRTCL800SJ	
		NEW RT-CL700	 ICE TECHNOLOGIES					X	X	203 mm	-	ERTCL700LE	ERTCL700LI
X								X	180 mm	-	ERTCL700ME	ERTCL700MI	
X								X	160 mm	-	ERTCL700SE	ERTCL700SI	
		SM-RT70				 ICE TECHNOLOGIES		X	X	140 mm	-	ERTCL700SSE	ERTCL700SSI
X								X	160 mm	-	-	ESMRT70SJ	
								RT-EM910	 ICE TECHNOLOGIES FREEZA		X	X	203 mm
X		X	180 mm	X							IRTEM910ME	IRTEM910MI	
X		X	160 mm	X							IRTEM910SE	IRTEM910SI	
		RT-EM810	 ICE TECHNOLOGIES FREEZA					X			X	203 mm	X
X						X	180 mm	X			IRTEM810ME	IRTEM810MI	
X						X	160 mm	X			IRTEM810SE	IRTEM810SI	
		RT-EM600				 ICE TECHNOLOGIES FREEZA		X	X	203 mm	-	ERTEM600LEC	Black: ERTEM600LI3C Silver: ERTEM600LIC
X								X	180 mm	-	ERTEM600MEC	Black: ERTEM600MI3C Silver: ERTEM600MIC	
X								X	160 mm	-	ERTEM600SEC	Black: ERTEM600SI3C Silver: ERTEM600SIC	
		RT-EM300	 ICE TECHNOLOGIES FREEZA					-	X	203 mm	-	ERTEM300L	ERTEM300L
-								X	180 mm	-	ERTEM300M	ERTEM300M	
-								X	160 mm	-	ERTEM300S	ERTEM300S	

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 38T 44T	Without		ISMCRE80A4X	Y1VY00030
						ISMCRE80A8X	Y1VY00040
				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	
						ISMCRE80BA8X	Y1VY00040
					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	
						ISMCRE8012BA6X	Y0KJ36100
						ISMCRE8012B55A6XL	
						ISMCRE8012BA8X	Y0KJ38100
						ISMCRE8012B55A8XL	
		SM-CRE80-12-SB	34T 36T	Without		ISMCRE8012SBA4XL	Y0KJ34100
						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

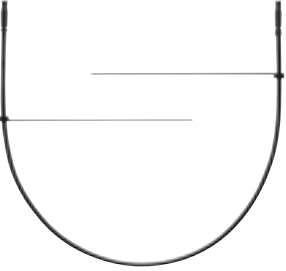
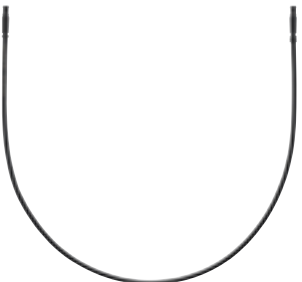
9-speed

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.
  SM-PCE02  Micro USB cable  PC link cable for SD50  EW-SD50  SM-JC41  TL-EW02	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	
  SM-PCE02  Micro USB cable  PC link cable for SD300  Setting cable  EW-JC304  TL-EW300	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	
  SM-PCE02  Micro USB cable  PC link cable for SD300  PC link cable for SD50  Setting cable  EW-SD50  EW-JC304  SM-JC41  TL-EW300  TL-EW02	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	- 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	- 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	- 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	- 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	- 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

**TL-CN29**

9-12-speed compatible chain tool



Usage	For cutting and connecting SHIMANO 9-12-speed chain
USP	- 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

**Spare arrow**

Code no. Y13098190



TL-CN10

QUICK-LINK connecting & removing pliers



Usage	Connecting and removing SHIMANO QUICK-LINK
USP	• 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	• 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

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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>



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with a wide variety of bicycle brands.
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