

**SHIMANO**

2026 E-BIKE PRODUCT  
CATALOGUE

**SHIMANO**

**E-BIKE**  
SYSTEMS

English (US)

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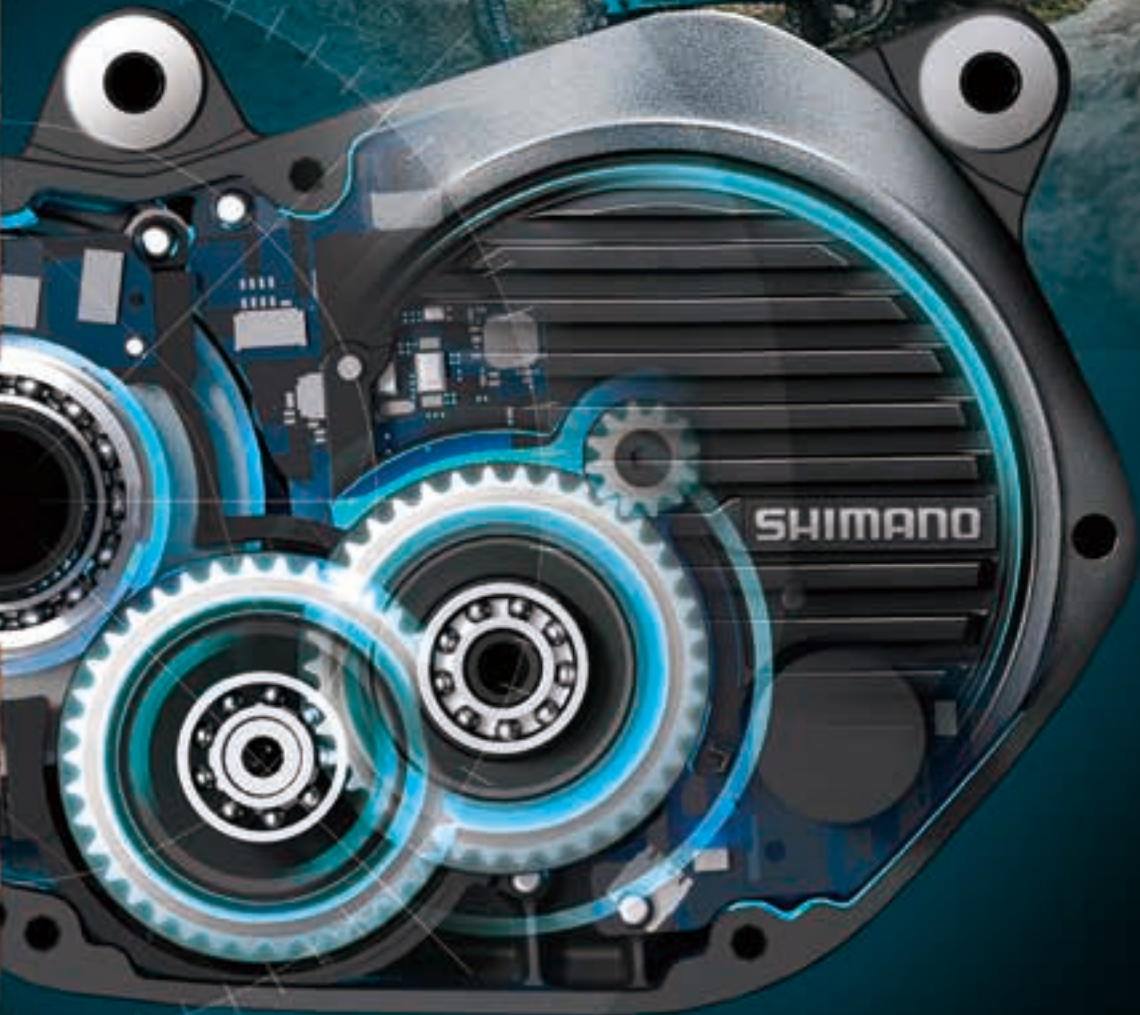


# Carefully Crafted Over A Century, Built On Cycling History

## 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

A man wearing a blue jacket, a red and orange shirt, and a black helmet is riding a black e-bike on a city street. The background shows modern buildings and a clear blue sky. The image is partially obscured by a white curved shape in the top right corner.

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



# Mountain Bike

## E-bike Systems For Adventurers

**SHIMANO**  
**E-BIKE**  
**SYSTEMS**

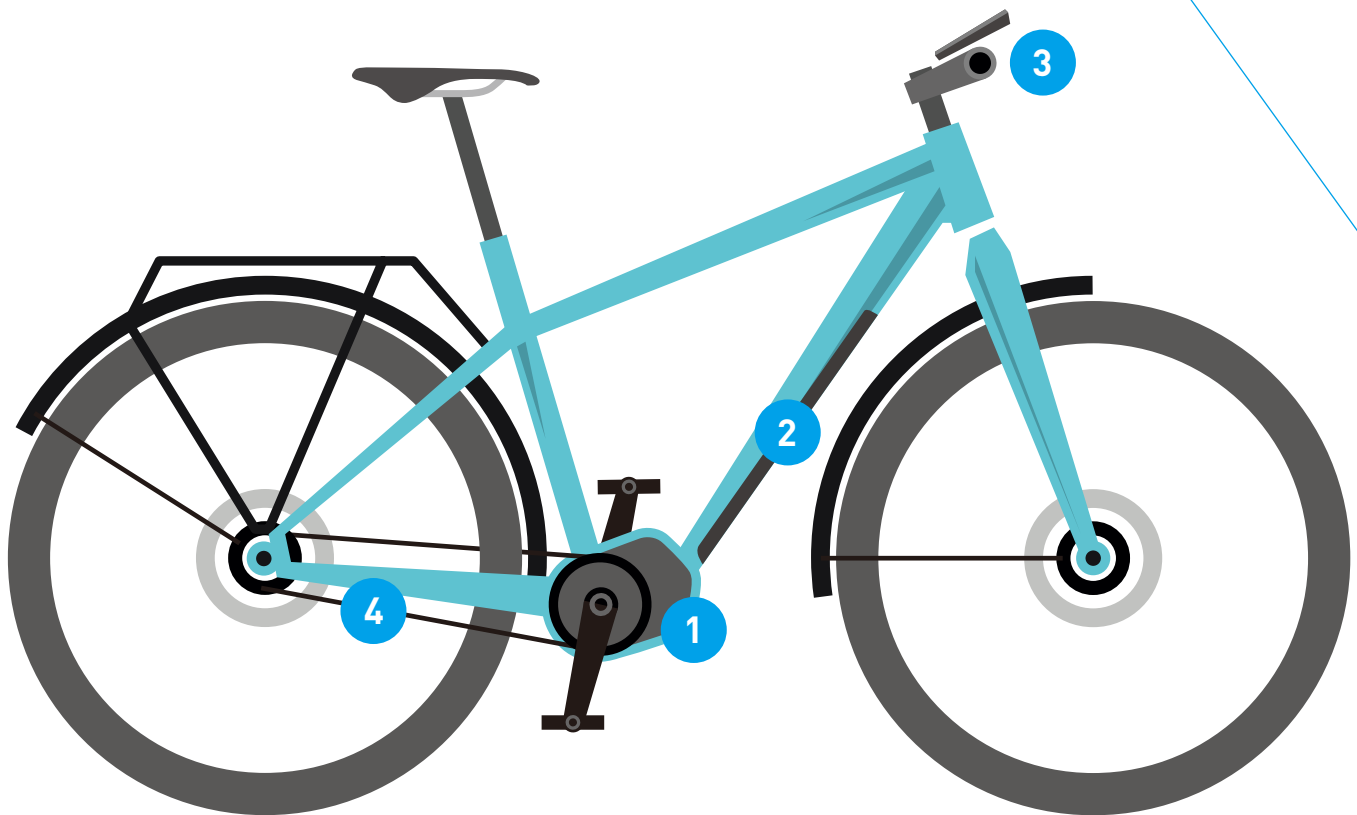
Keeping fit has never been so much fun. Whether you're zipping around the city, coasting through the countryside, traversing tough terrain or scaling mountains – our high-end e-bike systems will be with you every step of the way. They're designed to emulate the riding motion of a regular bike and – thanks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

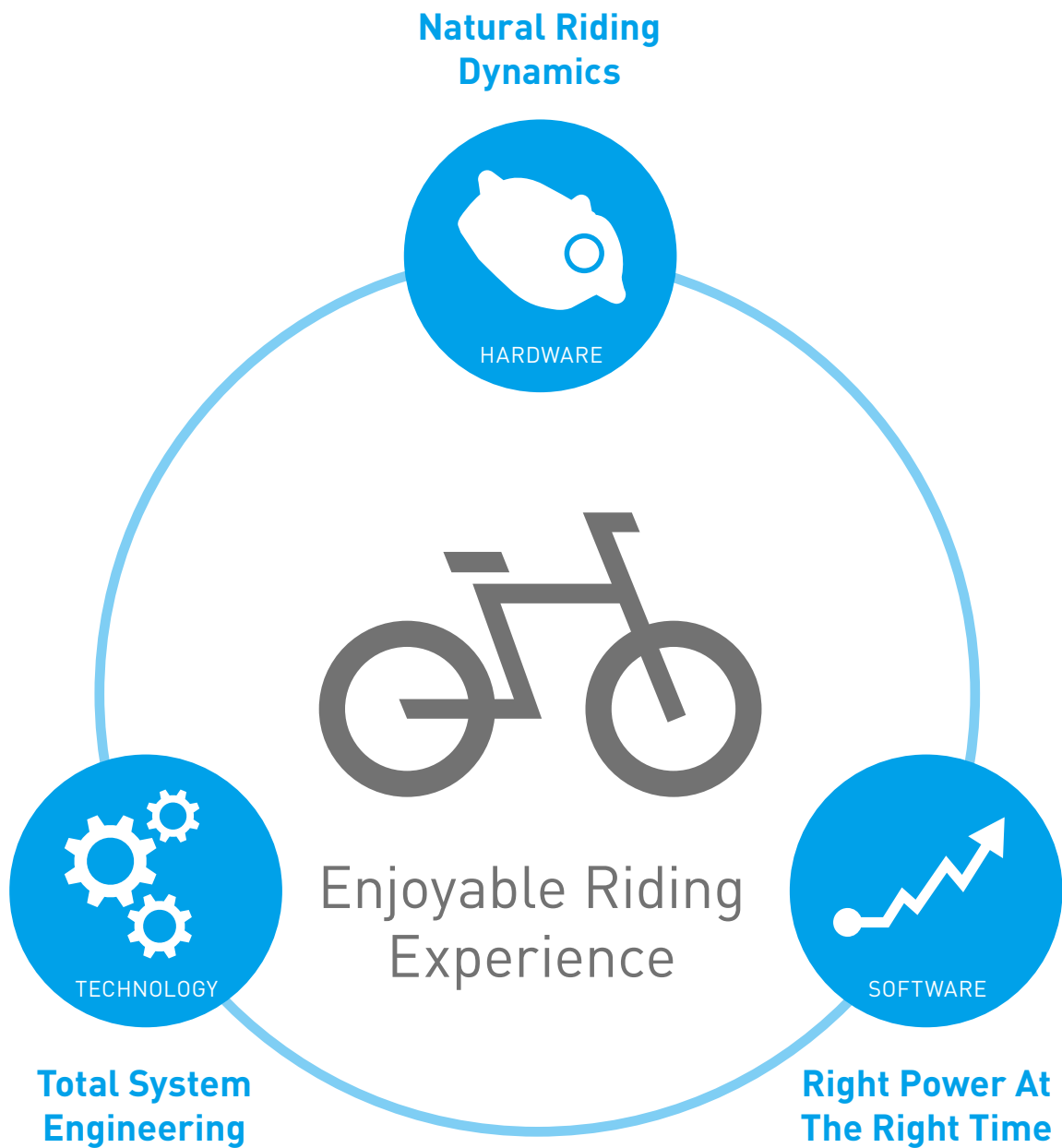
### 4 — Drivetrain

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

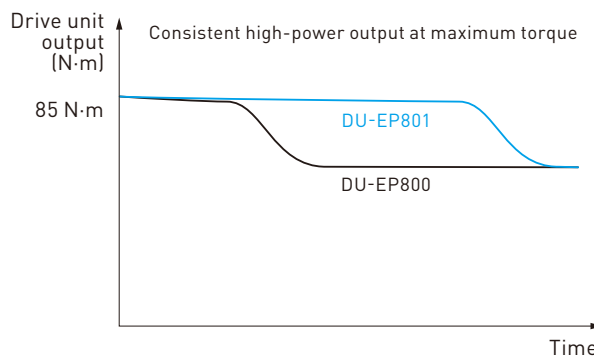
### Quieter

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.

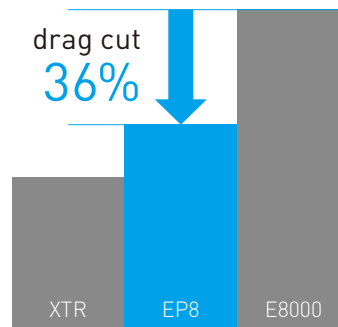


### Smoother Pedaling

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.

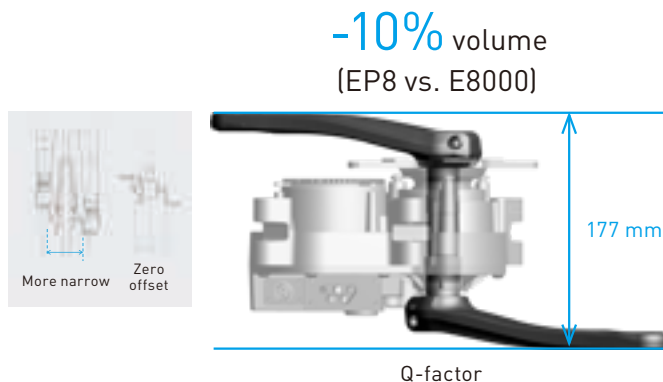


DRAG COMPARISON (%)

### 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.

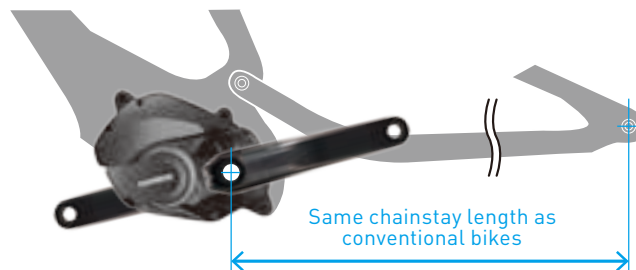
When you exceed the motor-assist limit of 20mph, you'll appreciate this natural feel as you get the most out of each pedal stroke.



### 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.

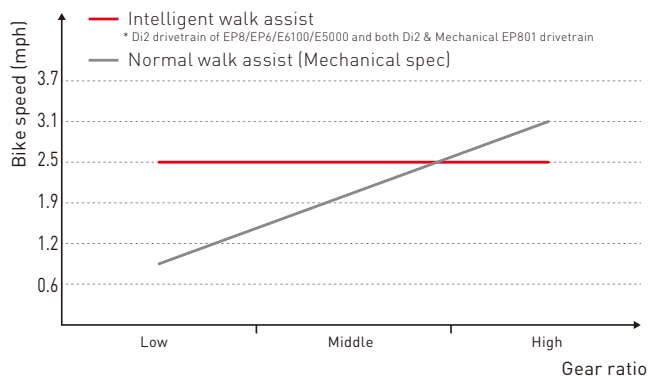


### Intelligent Walk Assist\*

When walking the bike up a mountain trail, intelligent walk assist automatically adjusts drive unit output torque to keep the bike speed at 2mph 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)



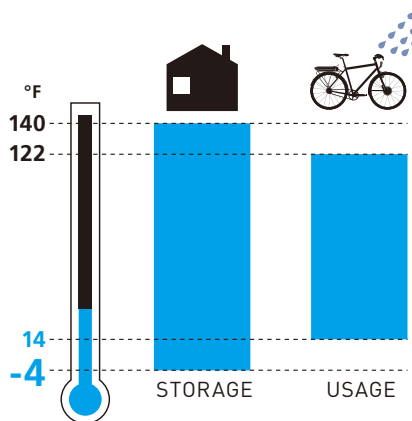
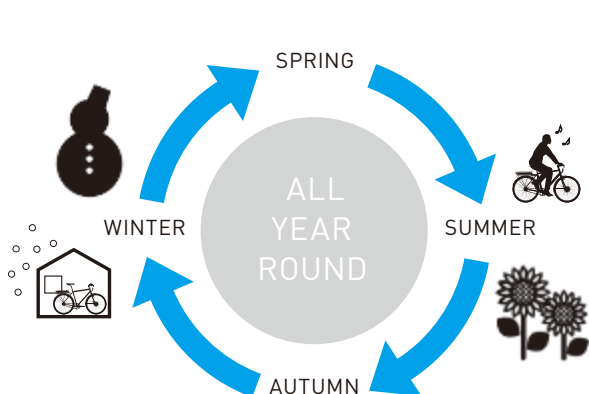
	Intelligent walk assist	
	Di2 drivetrain	Mechanical drivetrain
EP801/EP600/EP500	✓	✓
E8000/E7000/E6100/E6110/E5100	✓	—

## 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.

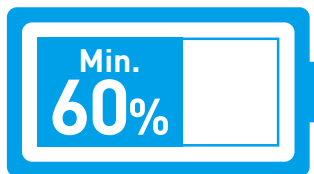
\* Some products are not IPX5 rated.



### Anti-aging Battery

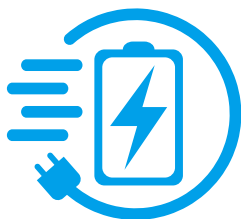
The durable battery retains a greater charge for a longer time


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		

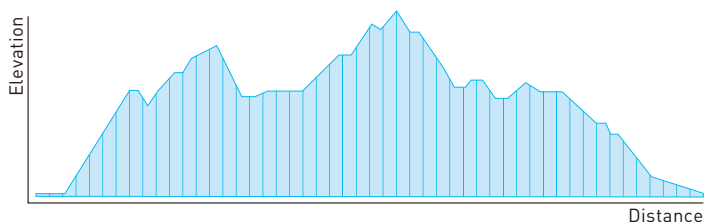
## RIDING DISTANCE

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

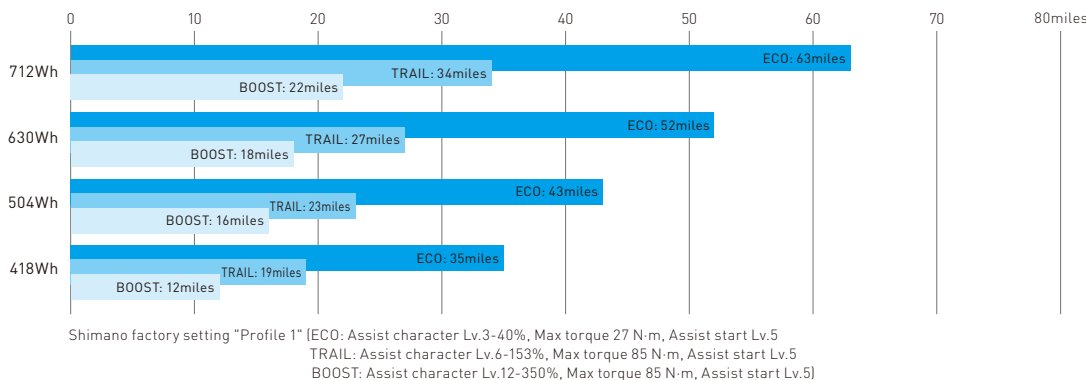
### Singletrack Course\* Performance

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

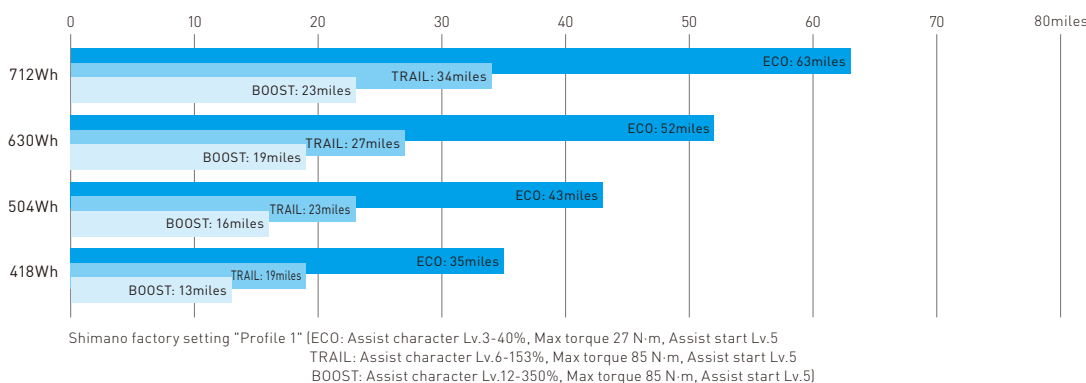


\* Testing conditions:  
 Terrain type: Single track course  
 One loop course:  
 -Distance: 2miles;  
 -Total Elevation: 500feet;  
 -Average (incline) gradient on climbing: 8.1%;  
 -Max. gradient on climbing: 16.7%  
 Rider weight: 80 kg  
 Cadence: 60 rpm;  
 MTB bike with 27.5 x 2.6 MTB tire  
 Temperature: 73°F  
 Without electronic shifting, without lights  
 16mph specification

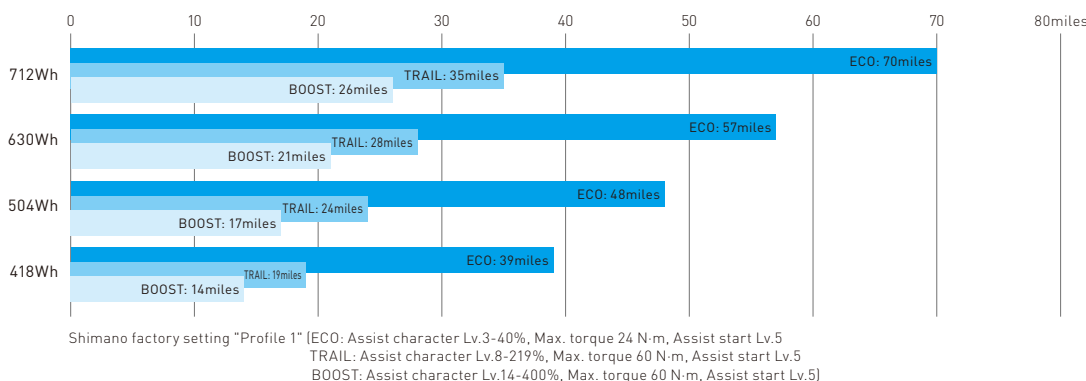
#### DU-EP801 e-MTB



#### 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

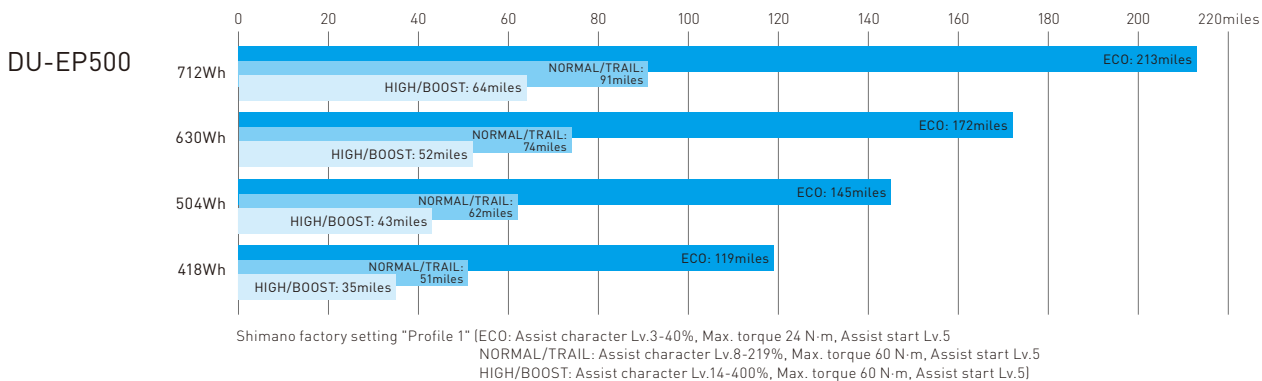
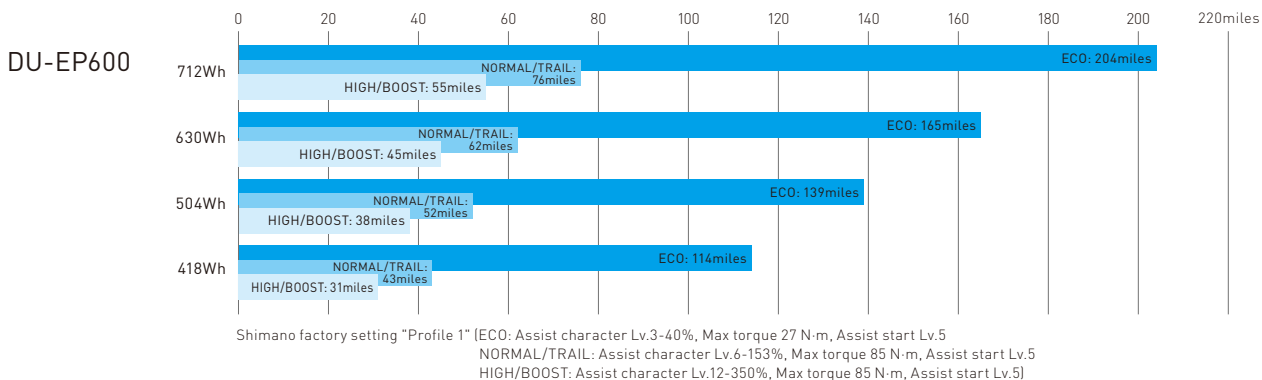
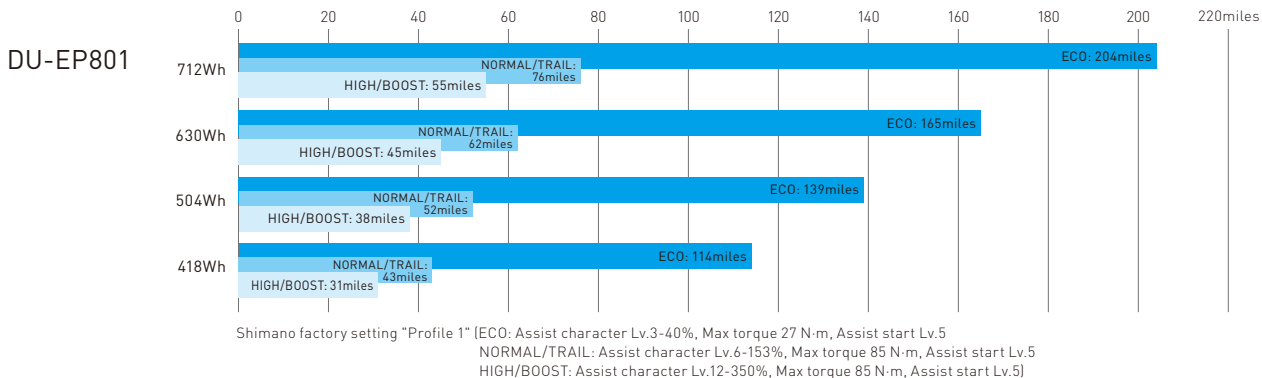
### Shimano tested battery ranges for each drive unit and mode

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.



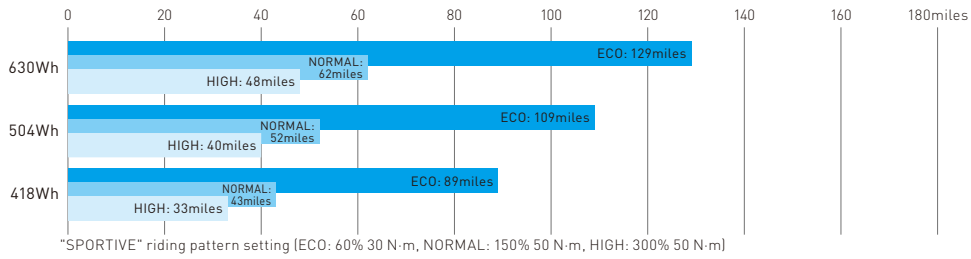
FLAT CRUISING

\* Testing conditions:  
Flat paved road, cadence: 60 rpm, rider weight: 80 kg, speed: 14mph; outside temperature: 73°F, Trekking bike with 700 x 38C tire, without electronic shifting, without lights.

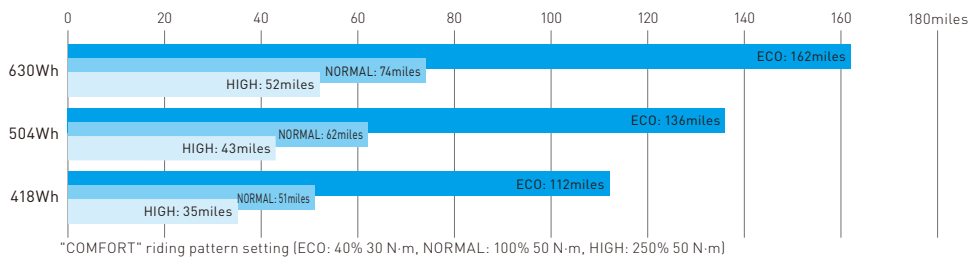


Note: These figures represent expected range for new rechargeable batteries and may vary over time or if used outside of these specific testing conditions.

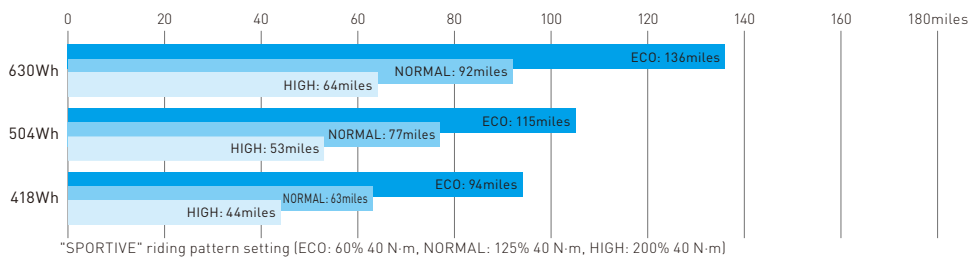
**DU-E5100  
SPORTIVE**



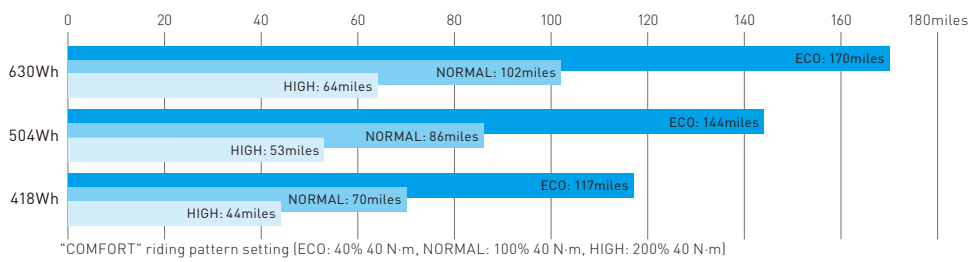
**DU-E5100  
COMFORT**



**DU-E5000  
SPORTIVE**



**DU-E5000  
COMFORT**



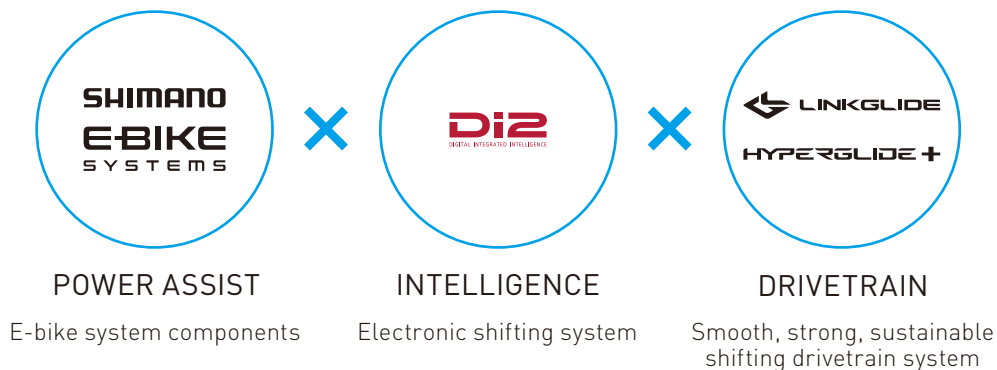
Note: These figures represent expected range for new rechargeable batteries and may vary over time or if used outside of these specific testing conditions.

## 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>





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

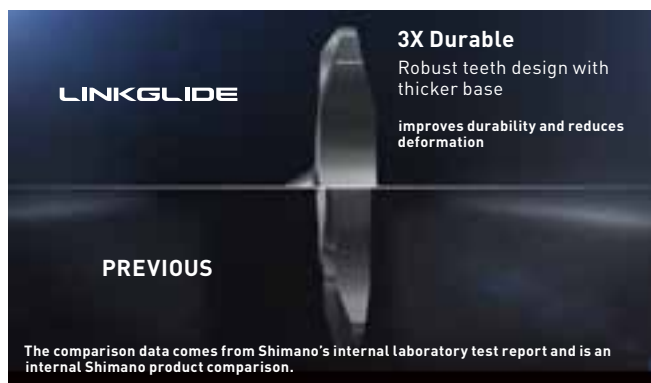
Drivetrain durability is essential for high torque e-bikes and daily riders who might ride in the same gear for months or years at a time. LINKGLIDE provides smooth and decisive shifting that lasts longer than ever before.

#### 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.



1,200 shifts = Loss of performance

5,000 shifts = Shift smoothness retained

\*PREVIOUS = HG (HYPERGLIDE)

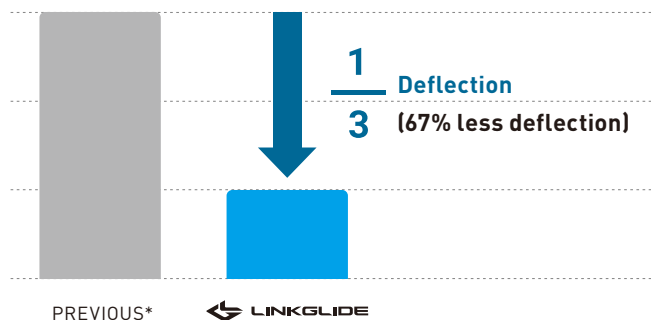
### 3X Smoother

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

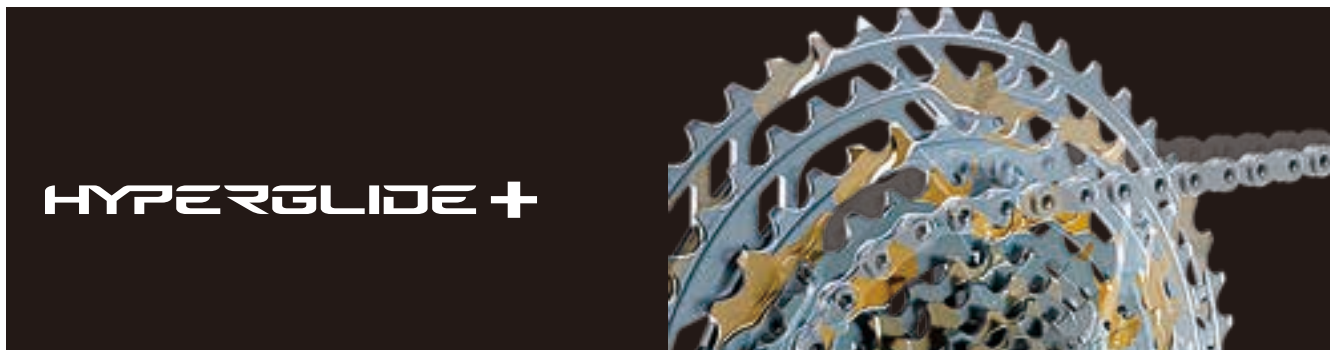
#### Smoother pedaling from start to finish

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.



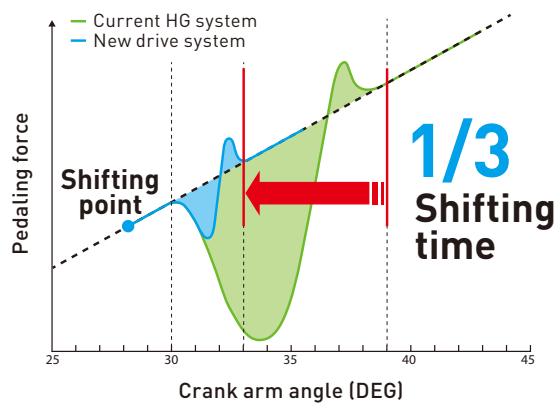
Test condition: repeated inward and outward shifting. The average data of 11T, 13T, 15T \*PREVIOUS = HG (HYPERGLIDE)



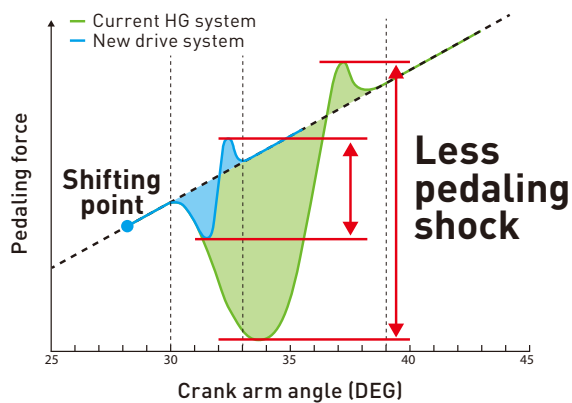
HYPERGLIDE+ drivetrain's redesigned cassette and chain support next-generation riding by enhancing speed, shifting efficiency and smoothness over any terrain.

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

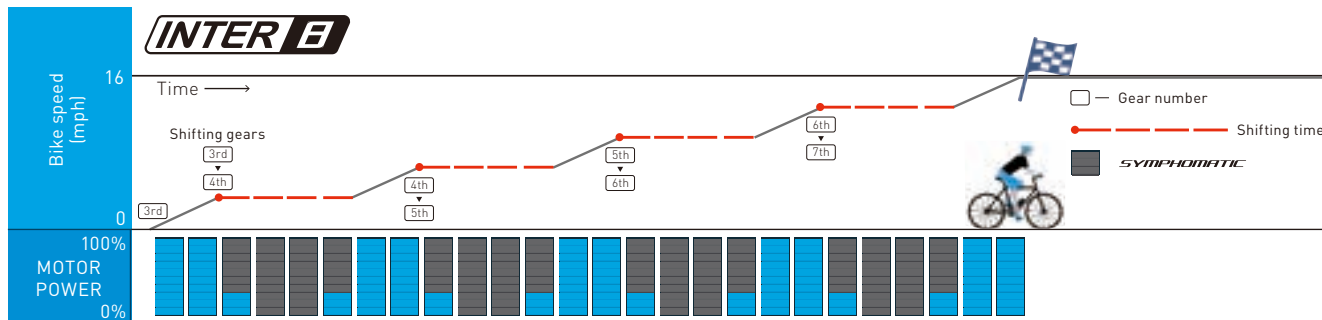
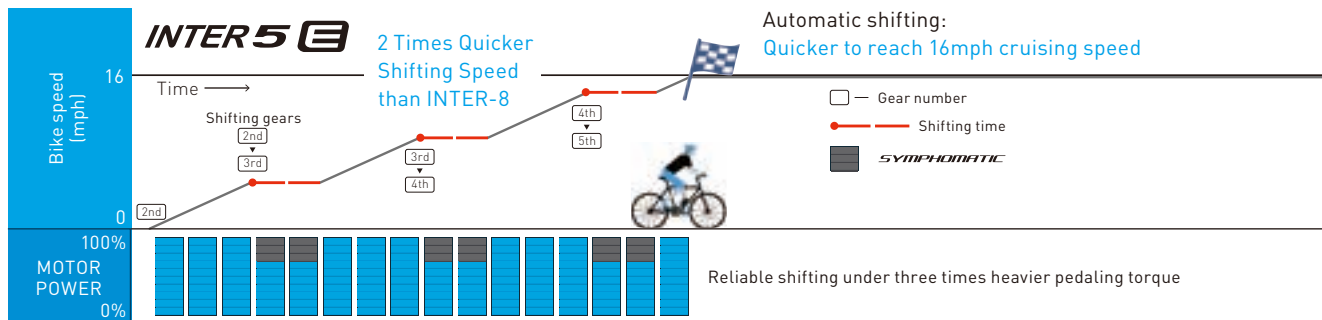


## E-bike Di2 Internal Geared Hub Automatic Shifting (INTER-8/INTER-5E)

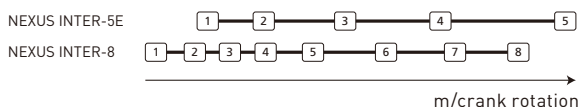
### INTER 5 E-BIKE DESIGN

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 16mph twice as fast as the NEXUS INTER-8 and with fewer shifting actions.

## ***SYMPHOMATIC***

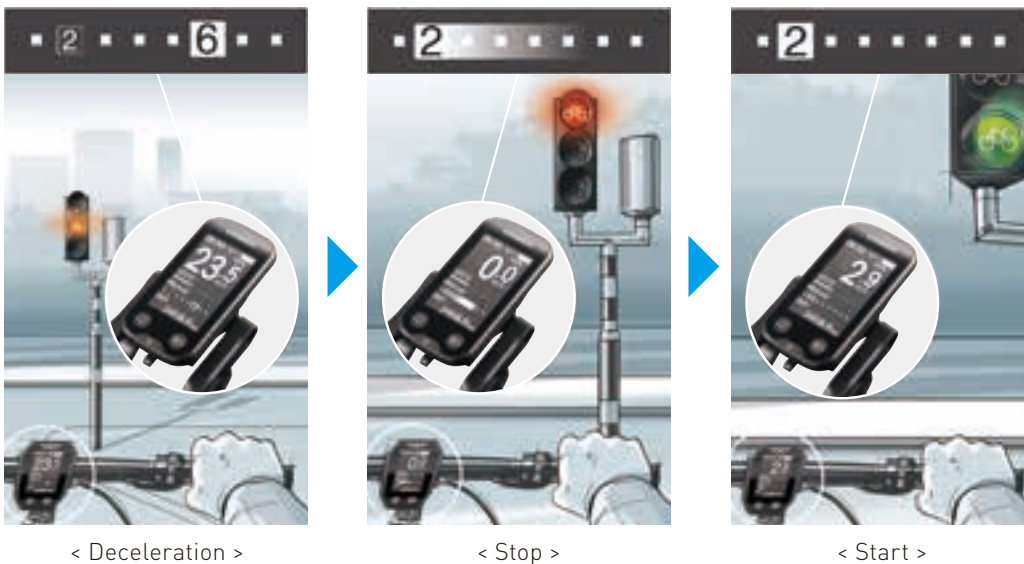
SHIMANO E-BIKE SYSTEMS computer-assisted shifting system provides more responsive and stable shifting performance. This innovative system monitors rider's motion and determines the optimal timing to momentarily decrease power to the pedal assist motor. The temporary reduction of chain tension allows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

### Start Mode

**INTER 11 INTER 13 INTER 5 Di2**

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

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



## COMFORTABLE IN ANY SITUATION

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

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

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



## RACE-SPECIFIC FIRMWARE UPDATE FOR SHIMANO EP801 SYSTEMS

### Key features developed by Shimano Enduro World Cup Race Teams

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

### Higher Assist in Boost Mode

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



### Customizable Max Speed Cutoff

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

\*EP600 also receives the firmware update for max speed cutoff

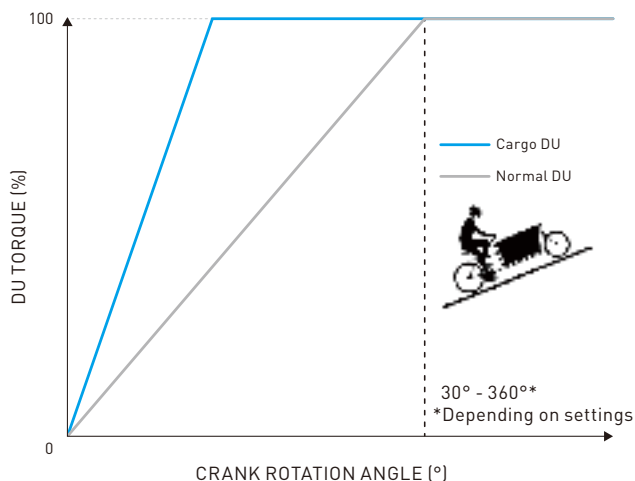
### Uninterrupted Power Delivery

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

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

## Dedicated E-Cargo Firmware

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

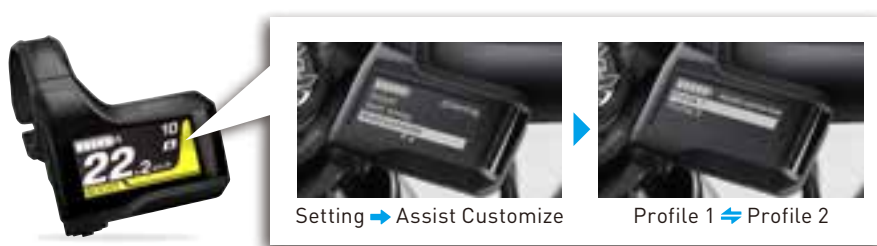


## Swap Between Customizable Rider Profiles On The Fly

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.



## 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.

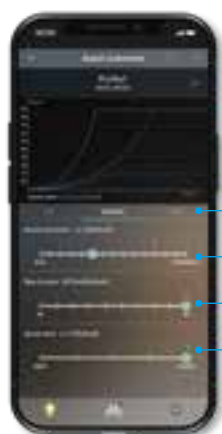
### 1 Power adjustment/customization to fit your unique riding style

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

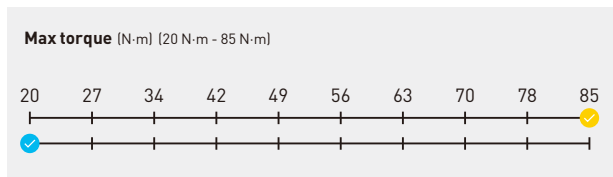
#### FINE TUNE MODE — Targeted assist with up to 15 patterns

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.



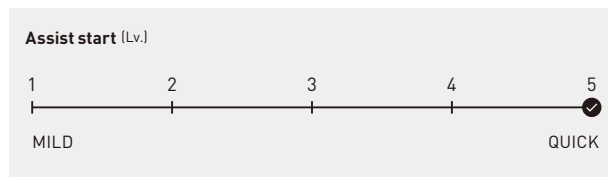
- Assist character
- Upper and lower max torque
- Assist start

#### Max torque



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

#### Assist start



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



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

#### Assist cutoff



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.

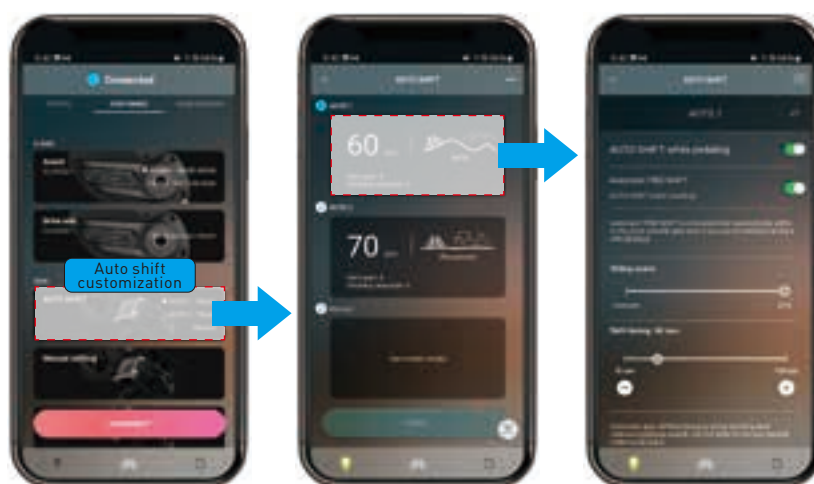
## 2 AUTO/FREE SHIFT CUSTOMIZATION

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.

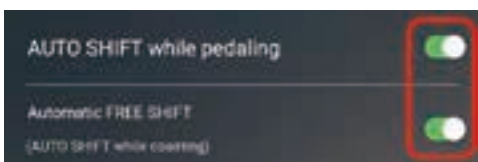
### Selecting the AUTO SHIFT mode

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

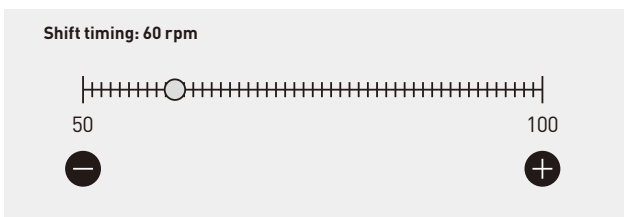


PAVEMENT : AUTO SHIFT is tuned for urban traffic

MTB : 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



SLOWER : Slide left for a slower cadence

FASTER : Slide right for a faster cadence

### ADJUST CLIMBING RESPONSE



STABLE : AUTO SHIFT stability for technical climbing increases from Lv. 4 to 8

Lv.3 is the default AUTO SHIFT responsiveness setting

QUICK : 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



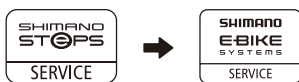
Energy solution provider - Moving energy to you

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.



Before

After

### Easy to spec

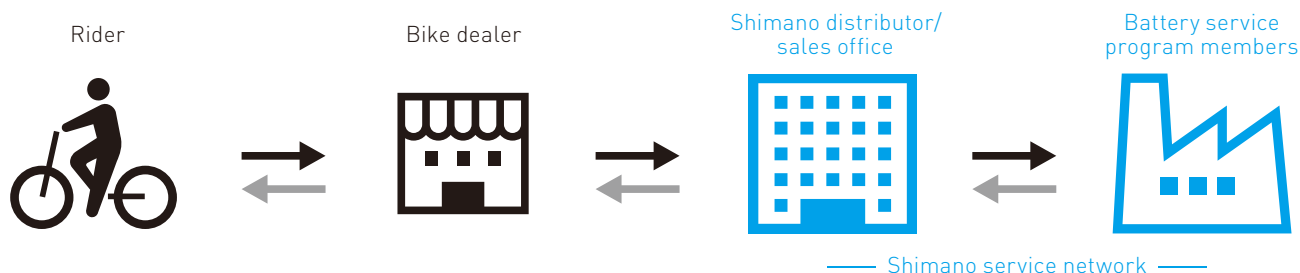
Bike makers can confidently select approved batteries that best match their desired build with the knowledge that they will be covered by our extensive Shimano service network.

### 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.

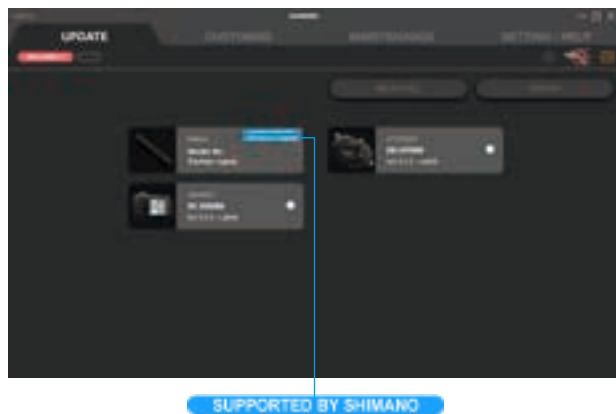
Option A: check the battery

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



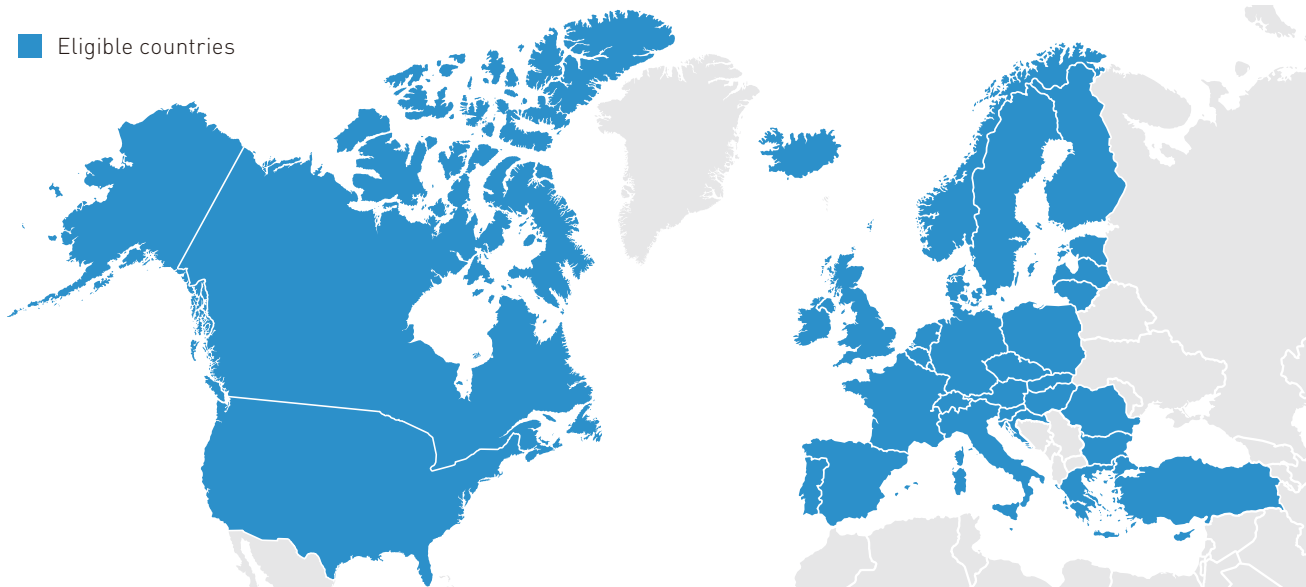
Option B: check E-TUBE PROJECT

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.



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.



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



## 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.

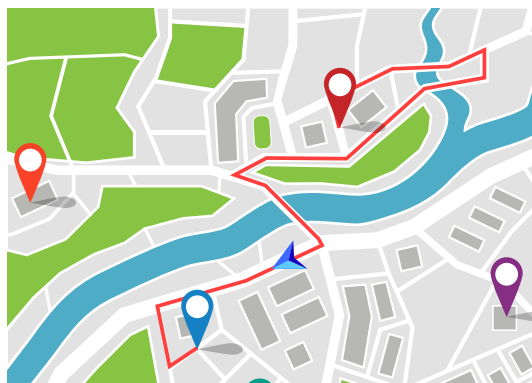
Want to ride somewhere new? Simply enter your location in the map and you'll be ready to explore!



<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

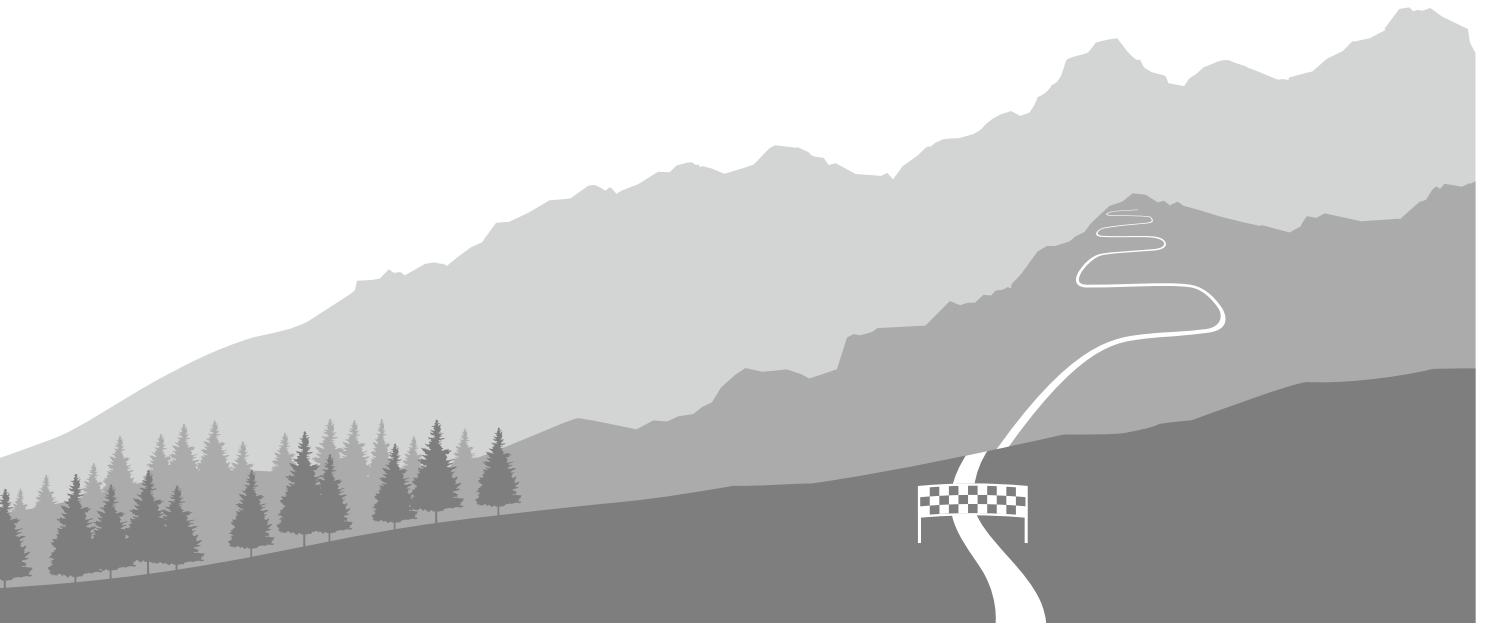
**EP5**



**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](http://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 maneuver 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.



# 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**

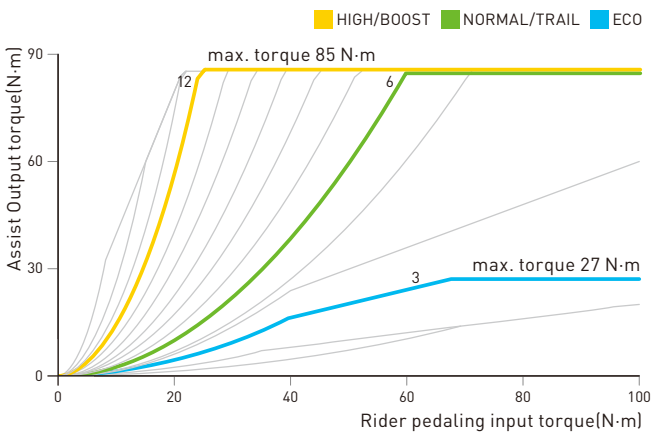
## EP6 Drive Unit

- 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

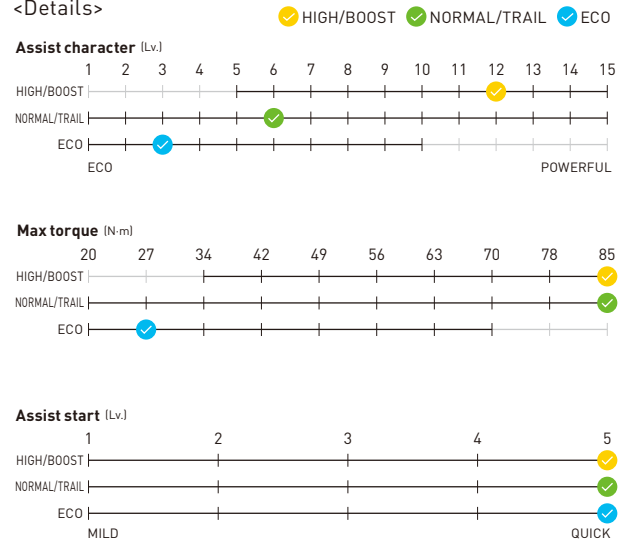
# DRIVE UNIT OUTPUT FEATURE

## Motor assist maximum torque/Rider pedaling input torque

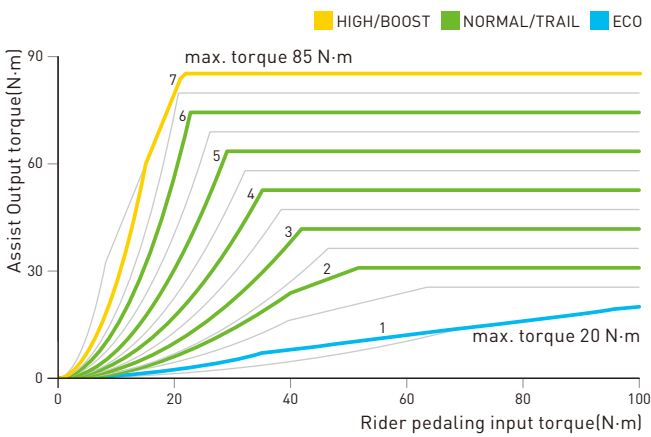
EP801/EP600 Profile 1 (Shimano factory setting: BASIC MODE)(Rear derailleur specification)



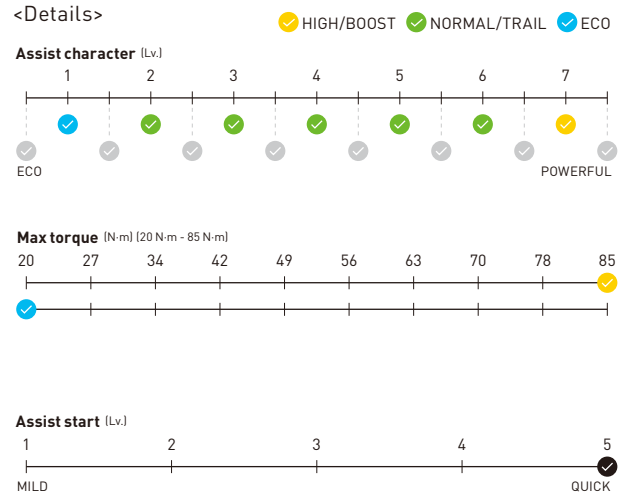
<Details>



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



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

#### 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

√=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  
D-FLY  
ANT



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	√	√	√	-	√
Setting menu	Assist profile	-	√	-	-	-
	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**



SW-M9250-IR **NEW**  
Di2 Shifting Switch  
**Di2**



SW-M8250-R **NEW**  
Di2 Shifting Switch  
**Di2**



SW-M8250-IR **NEW**  
Di2 Shifting Switch  
**Di2**



SW-M8150-R  
Di2 Shifting Switch  
**Di2**



SW-M8150-IR  
Di2 Shifting Switch  
**Di2**



SW-M6250-R **NEW**  
Di2 Shifting Switch  
**Di2**



SW-M6250-IR **NEW**  
Di2 Shifting Switch  
**Di2**



SW-EN605-R  
Di2 Shifting Switch  
**Di2**

## Shifting switch

Series		NEW	NEW	NEW	NEW	v=Yes
Model no.		XTR	XTR	DEGRE XT	DEGRE XT	SHIMANO DEGRE XT
Position		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)	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	Shifting/Adj. mode	Auto on/off
	Multiple input	2 step	-	-	-	-
		Hold	√	√	√	√
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

Series		NEW	NEW	NEW	v=Yes
Model no.		SHIMANO DEGRE XT	DEGRE	DEGRE	SHIMANO
Position		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)	RD outward (Switch1) RD inward (Switch2)
	Multiple input	2 step	-	-	-
		Hold	√	√	√
Adjustable lever position		√	-	-	-
Switch3	Default function	Auto on/off	Shifting/Adj. mode	Shifting/Adj. mode	Shifting Mode
	Multiple input	2 step	-	-	-
		Hold	√	√	√
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

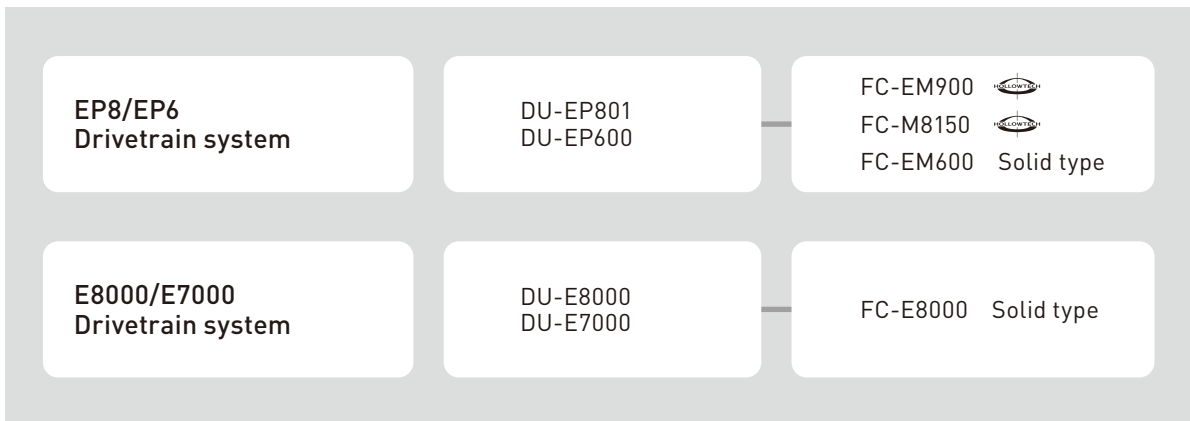


FC-EM600  
E-MTB Crank Arm Set



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.		<b>FC-M8150</b>	<b>FC-EM900</b>	<b>FC-EM600</b>	<b>FC-E8000</b>
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.		<b>CD-EM800</b>	<b>CD-EM800 w/o plate</b>	<b>SM-CDE80</b>	<b>SM-CDE70</b>
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	-	-	-	-	-	-	√	-
		√	√	√	-	-	√	-	√ (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	-	-	-
		-	-	-
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 clogged lanes of cars at the traffic lights, effortlessly taking off when the light turns 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.

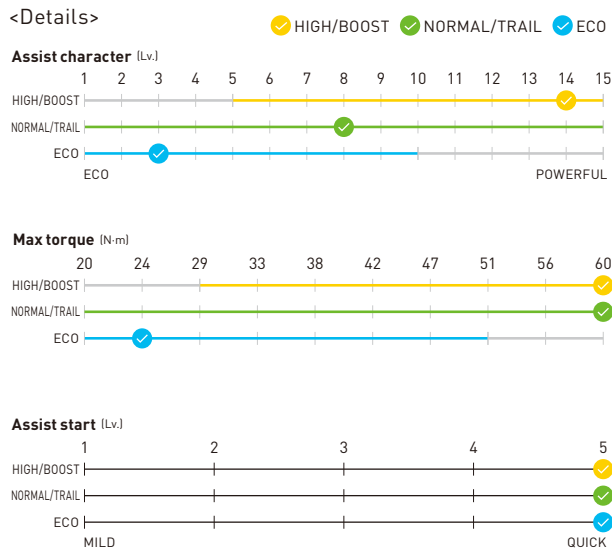
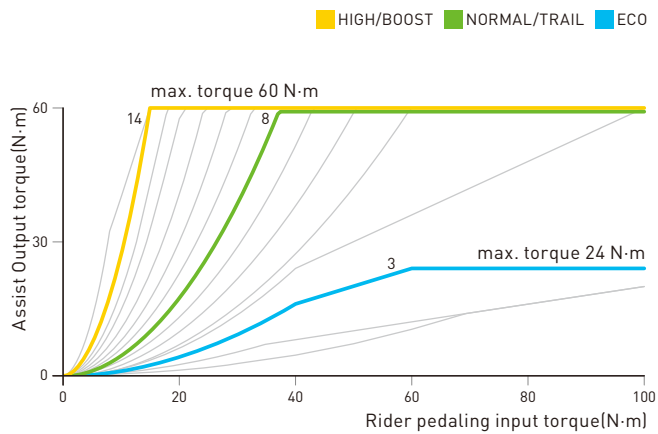
# ***EPS*** | EP500



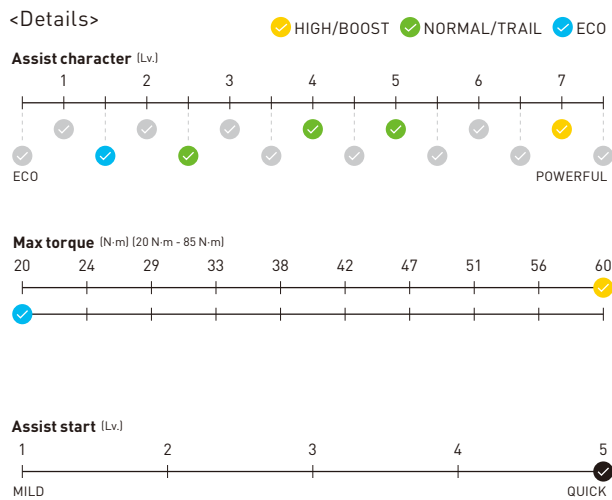
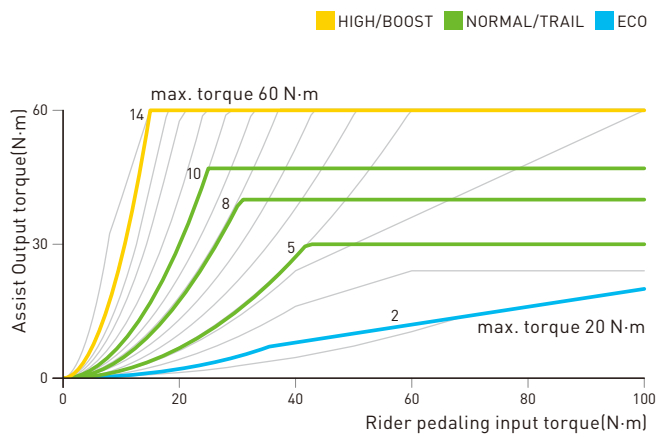
# DRIVE UNIT OUTPUT FEATURE

## Motor assist maximum torque/Rider pedaling input torque

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



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



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



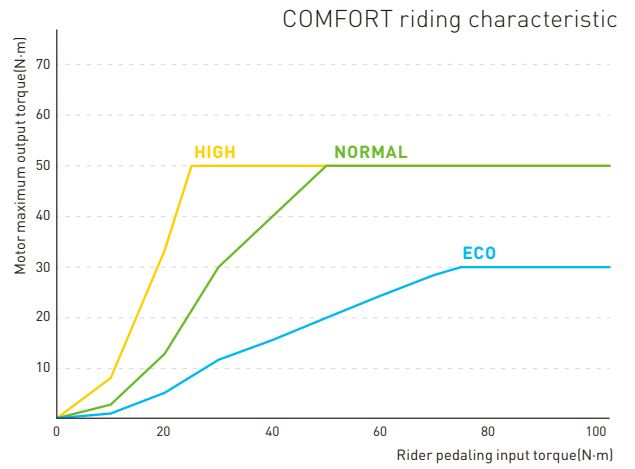
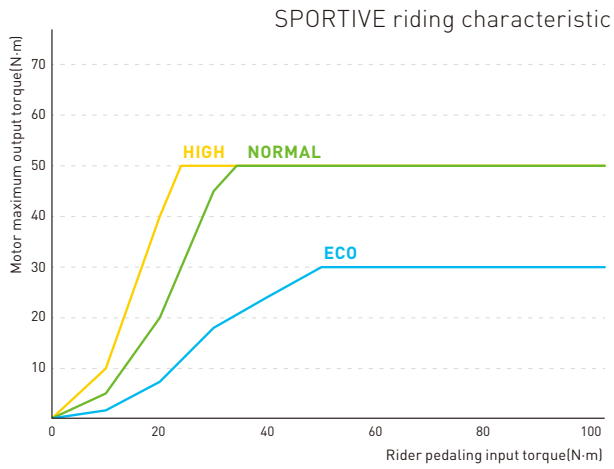
SHIMANO  
E-BIKE  
SYSTEMS | E5000



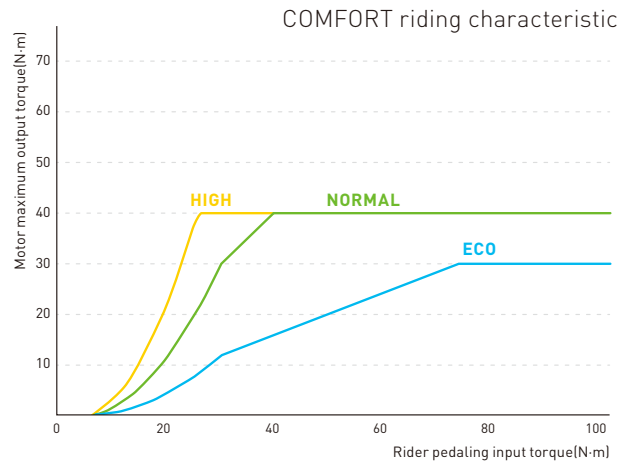
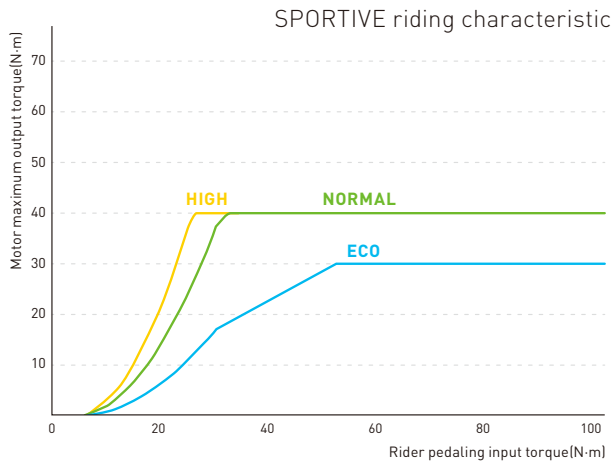
# DRIVE UNIT OUTPUT FEATURE

## 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
	Derailleur 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

v=Yes

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.		<b>FC-EN500</b>	<b>FC-E5000</b>	<b>FC-E5010</b>
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.		<b>SM-CRE50</b>
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

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.		<b>SL-C7000-5</b>
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.		<b>MU-UR510</b>	<b>MU-UR500</b>
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.		<b>CS-C7000</b>
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

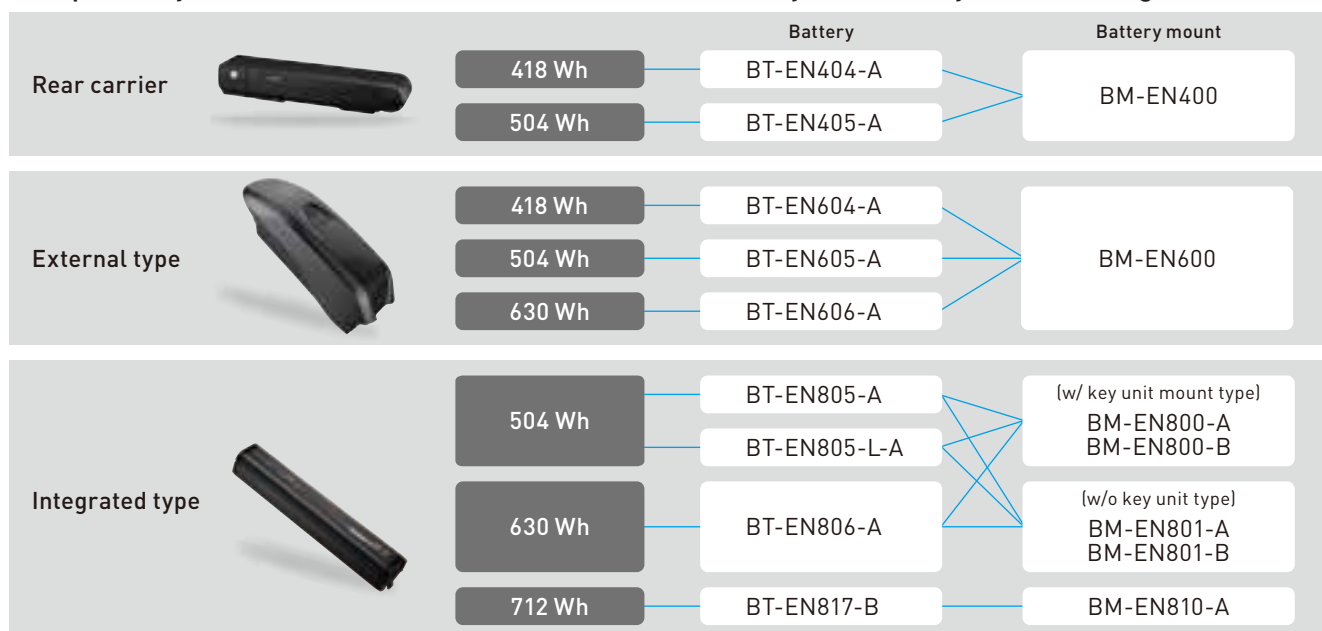
√=Yes

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

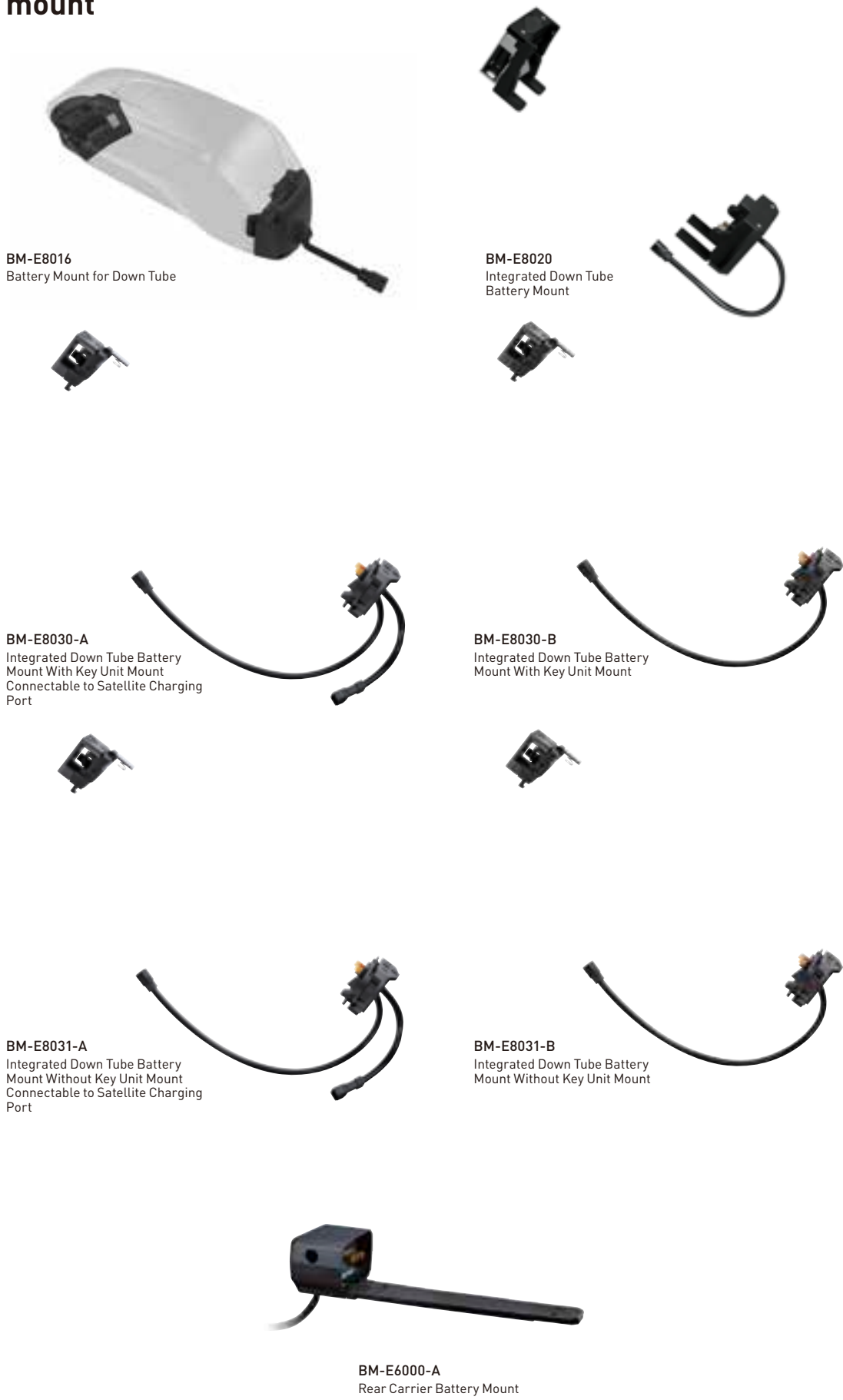
\* with SM-BTE80 or EW-CP100

√=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

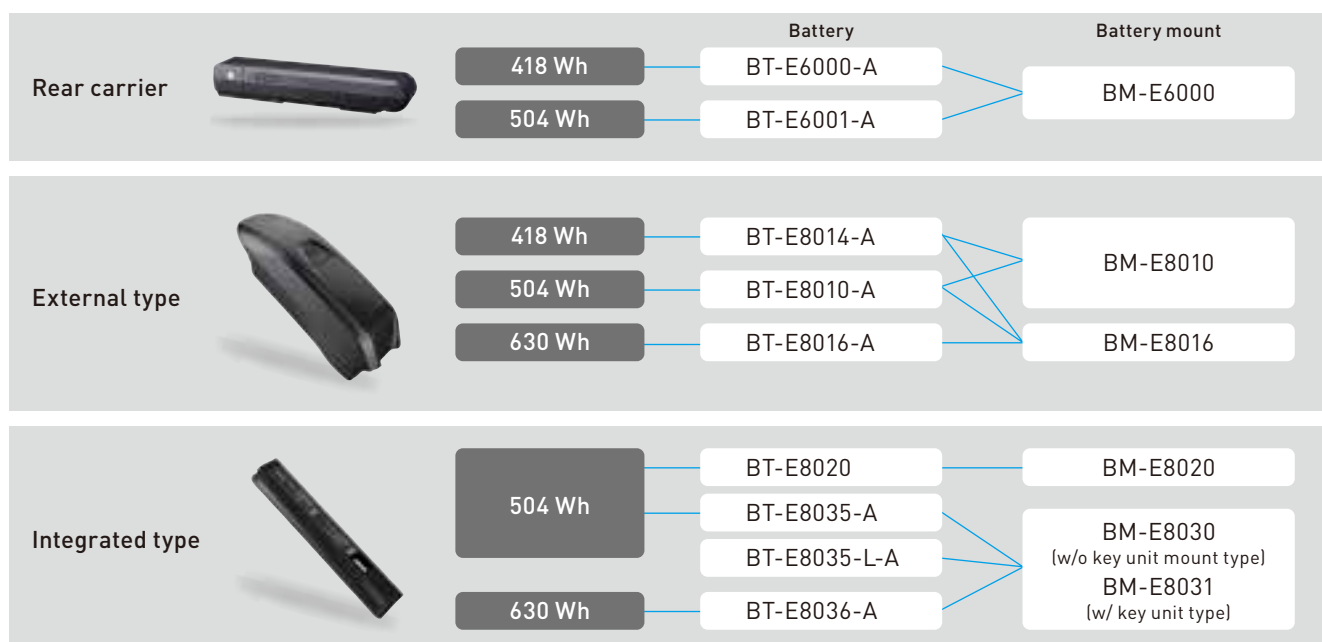
√=Yes

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

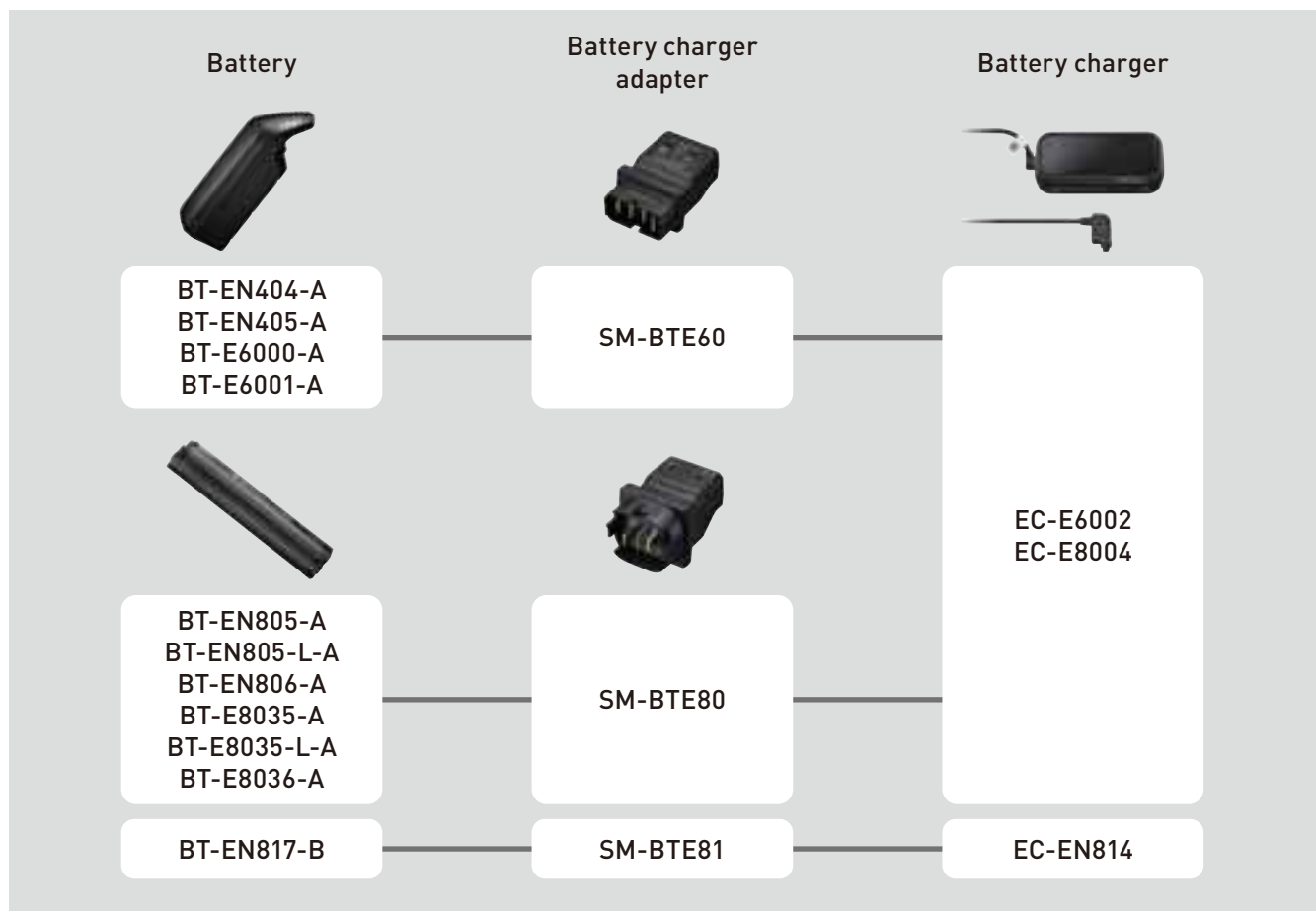
### EW-CP100

#### Satellite Charging Port for E-Bike

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

## Charge Time (EU/NA)

Model no.		<b>NEW</b> 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		32 - 104°F	32 - 104°F	32 - 104°F
Storage temperature		-4 - 140°F	-4 - 140°F	-4 - 140°F
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	32 - 104°F	32 - 104°F	32 - 104°F	32 - 104°F	32 - 104°F	32 - 104°F	32 - 104°F	32 - 104°F	32 - 104°F
Storage temperature	-4 - 140°F	-4 - 140°F	-4 - 140°F	-4 - 140°F	-4 - 140°F	-4 - 140°F	-4 - 140°F	-4 - 140°F	-4 - 140°F
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				

## 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

EW-CB300-M

EW-CB300-S

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 mmx8 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-AD305

#### EW-JC304

Internal 4-Port Junction for EW-SD300

#### EW-JC302

Internal 2-Port Junction for EW-SD300

#### 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		<b>XTR</b>		
Model no.		<b>RD-M9260-12</b>		
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 shifting	√		
Di2 connectivity wireless	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



RD-M8260-12  
SHIMANO SHADOW ES Di2

## 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 V=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 shifting		√	
Di2 connectivity wireless	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

**Di2**  
DIGITAL SHIMANO INTELLIGENT

### 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	v=Yes	
Brand		<b>DEORE</b>		
Model no.		<b>RD-M6260-12</b>		
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 shifting	√		
Di2 connectivity wireless	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		<b>XTR</b>		
Model no.		<b>RD-M9260-11L</b>		
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 shifting	√		
Di2 connectivity wireless	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	√	
	ANT Private	Compatible with E-TUBE PROJECT	√	
		Adjust mode information	√	
		Di2 battery level	-	
Gear position		√		
SHIMANO E-BIKE SYSTEMS data items	SHIMANO E-BIKE SYSTEMS data items		√	
	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

Di2

LINKGLIDE

**RD-M8260-11L** NEWDEORE 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		<b>DEORE XT</b>			
Model no.		<b>RD-M8260-11L</b>			
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 shifting	√		
	wireless	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		<b>DEORE</b>		
Model no.		<b>RD-M6260-11L</b>		
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 shifting	√		
Di2 connectivity wireless	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		

√=Yes

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

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)
	Other	UDH standard
Mode converter	-	-
Cable adjuster	-	-
Max. front difference	0T	0T
Total capacity	39T	32T
Low sprocket	Max.	50T
	Min.	50T
Top sprocket	Max.	11T
	Min.	11T
Fluoric coated link bushings	7	7
Pulley	Guide pulley bearing	Sealed Bearing
	Tension pulley bearing	Sealed Bearing
	Teeth	13T
	Screws material	Stainless steel
B-axle	Sunken type pulley screw	√
	Hollow axle	√
	Material	Stainless steel
B-axle 2	Finish	-
	Hollow axle	-
	Material	-
Bracket body	Finish	-
	Material	Aluminum
P-axle	Material	Aluminum
	Finish	Painted
Plate body	Material	Steel
	Finish	-
Outer link	Material	GFRP
	Finish	-
Inner link	Material	Aluminum
	Finish	Painted
Outer plate	Material	Aluminum
	Finish	Painted
Inner plate	Material	Aluminum
	Finish	Painted
Cable fixing screw	Material	Aluminum
	Finish	Painted
Stroke adjusting screw	Material	Stainless steel
	Finish	Stainless steel
Average weight (g)	Material	Steel
	Finish	Plated
Note	Average weight (g)	308
	Note	w/Bumper on pully cage

# LINKGLIDE 11/10/9-speed drivetrain

v=Yes

SHIMANO  
**CUES**



RD-U6070



**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



**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 <b>CUES</b>	SHIMANO <b>CUES</b>
Model no.		<b>RD-U6070</b>	<b>RD-U6050</b>
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	v	v
Bracket	Material	Steel	Steel
	Finish	Painted	Painted
B-axle	Hollow axle	v	v
	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	v	v
Firmware update by E-TUBE PROJECT		v	v
SD50 port (pcs)		0	0
SD300 port (pcs)		1	1
SD50 connector (pcs)		0	0
SD300 connector (pcs)		0	0
LED for system status		v	v
Charging port		-	-
Charging cable		-	-
Note			

√=Yes

SHIMANO  
CUES

RD-U8000



LINKGLIDE

## 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



LINKGLIDE

## 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

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	-	-
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

v=Yes

SHIMANO  
**CUES**



## 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

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 <b>CUES</b>	SHIMANO <b>CUES</b>
Model no.		<b>RD-U6000</b>	<b>RD-U6020-11</b>
Color	1	Series color	Series color
	2	<b>NEW</b> 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

√=Yes

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

Brand		SHIMANO CUES	SHIMANO CUES
Model no.		<b>RD-U6020-10</b>	<b>RD-U4000</b>
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

v=Yes

SHIMANO  
**CUES**



RD-U4020



## 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



## 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)

Brand		SHIMANO <b>CUES</b>	SHIMANO <b>CUES</b>
Model no.		<b>RD-U4020</b>	<b>RD-U3020</b>
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		v/-	v/-
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	v	v
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	

√=Yes



CS-LG700-11



### CS-LG700-11

SHIMANO LINKGLIDE Cassette 11-speed

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



CS-LG400-11



### CS-LG400-11

SHIMANO LINKGLIDE Cassette 11-speed

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

Brand	SHIMANO	SHIMANO	
Model no.	<b>CS-LG700-11</b>	<b>CS-LG400-11</b>	
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	-	-
Splines 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

v=Yes



CS-LG400-10  
**LINKGLIDE**

## 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  
**LINKGLIDE**

## 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.	<b>CS-LG400-10</b>	<b>CS-LG300-10</b>	
Type	<b>LINKGLIDE</b>	<b>LINKGLIDE</b>	
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)	v *	v *
	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	MnPO4
Lock ring	Material	Steel	Steel
	Finish	Plated	MnPO4
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)



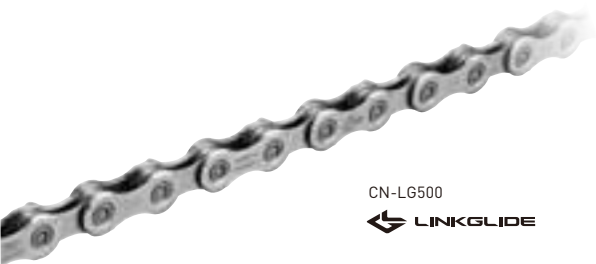
CS-LG300-9



### 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.	<b>CS-LG400-9</b>	<b>CS-LG300-9</b>	
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.	<b>CN-LG500</b>
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-MS-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	-	-
Thru axle (length x inner diameter ; mm)	135 x 10	-	-
	135 x 12	-	-
	142 x 12	-	-
	148 x 12	√	√
	150 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

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

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

√=Yes

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

## Hub set recommendation by bike type

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

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

## How to find specification from model no.

**FH - QC 500 - MS - B**

1      2      3      4      5      6

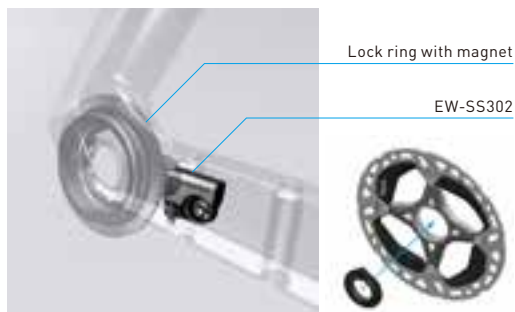
No.	Spec	Details
1	Product	HB = Front hub FH = FREEHUB
2	Axle type	T = THRU type Q = Quick release N = Nut type
3	Brake type	C = CENTER LOCK type B = 6-bolt type R = Hub roller brake N = Normal type
4	Grade	600/500/400/300
5	Spline	MS = MICRO SPLINE HL = HG spline long (Road 11-speed) HM = HG spline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

## Speed sensor unit

### < SD300 type >

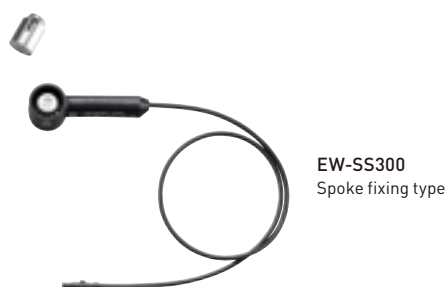


EW-SS302  
Magnet type: Magnet integrated lock ring



Lock ring with magnet

EW-SS302



EW-SS300  
Spoke fixing type



EW-SS301  
Magnet integrated rotor

### < SD50 type >



SM-DUE10  
Spoke fixing type



SM-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.		<b>RT-CL900</b>	<b>RT-CL800</b>	<b>RT-CL700</b>		
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  
FREEZA

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



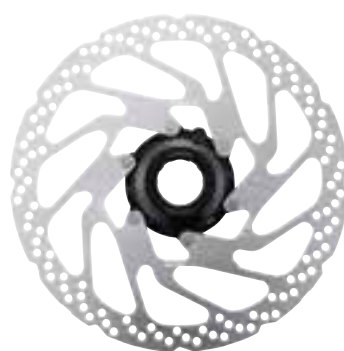
ICE TECHNOLOGIES  
FREEZA

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



CENTER LOCK  
FREEZA

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



CENTER LOCK  
FREEZA

**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	ICE TECHNOLOGIES FREEZA			√	√	-	-
	ICE TECHNOLOGIES			-	-	-	-
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	<b>HYPERGLIDE+</b>	HG-X11	HG-X11	HG-X11
Outer link plate surface treatment	<b>SIL-TEC</b>	<b>SIL-TEC</b>	<b>SIL-TEC</b>	Gray
Inner link plate surface treatment	Chromizing	Chromizing	<b>SIL-TEC</b>	<b>SIL-TEC</b>
Directional design	√	√	√	√
Chromizing treatment link pin	√	√	√	√
Hollow pin	√	-	-	-
Connecting pin	<b>QUICK-LINK</b> (SM-CN910-12)	<b>QUICK-LINK</b> (SM-CN900-11)	<b>QUICK-LINK</b> (SM-CN900-11)	<b>QUICK-LINK</b> (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

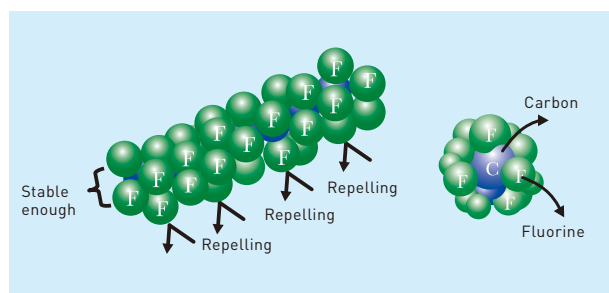
V=Yes

Model no.	CN-LG500	CN-E6090-10	CN-E6070-9	CN-HG71
Speed	10/11-speed	10-speed	9-speed	8-speed
Type	<b>LINKGLIDE</b>	HG-X	HG <small>HYPERGLIDE</small>	HG <small>HYPERGLIDE</small>
Outer link plate surface treatment	Gray	<b>SIL-TEC</b>	Gray	Silver
Inner link plate surface treatment	Gray	<b>SIL-TEC</b>	Gray	Gray
Directional design	√	√	-	-
Chromizing treatment link pin	√	√	√	√
Hollow pin	-	-	-	-
Connecting pin	<b>QUICK-LINK</b> (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

<b>Smooth Pedaling</b>	Rotation Sliding Friction Driving Noise	<b>-60%</b> <b>-2.7 dB</b>
<b>Less Maintenance</b>	Mud Shedding Performance	<b>+30%</b>
<b>Long Life</b>	Wear and Abrasion Resistance	<b>+20%</b>

## Recommended hydraulic disc brake system

### XTR



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

### DEORE XT




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



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



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

		<b>NEW</b>	<b>NEW</b>	V=Yes	
Brand		<b>XTR</b>	<b>DEORE XT</b>		
Model no.		<b>BL-M9220/BR-M9220</b>	<b>BL-M8200/BR-M8220</b>		
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	w/o fin, w/ fin	
		Material	Resin/metal	Resin/metal	
Brake lever related	Material	Aluminum	Aluminum		
	Finger	2-finger	2-finger		
	Technology	<i>I-SPEC EV</i>	<i>I-SPEC EV</i>		
Oil bleeding	 ONE WAY BLEEDING	-	-		
	Funnel bleeding tool	√	√		

## Recommended hydraulic disc brake system

**SLX**



**I-SPEC EV**  
SERVO WAVE Reach  
ACTION Adjust

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

**SHIMANO  
DEORE**



**I-SPEC EV**  
SERVO WAVE  
Action

**BL-M6100**  
Hydraulic Disc Brake Lever  
I-SPEC EV



**ICE TECHNOLOGIES**  
Four  
Piston


**BR-M7120**  
Hydraulic Disc Brake  
4-Piston Caliper



**ICE TECHNOLOGIES**  
ONE WAY BLEEDING  
Four  
Piston

**BR-M6120**  
Hydraulic Disc Brake  
Caliper 4-Piston

√=Yes

Brand		<b>SLX</b>	<b>SHIMANO DEORE</b>
Model no.		<b>BL-M7100/BR-M7120</b>	<b>BL-M6100/BR-M6120</b>
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, w/ fin
Material		Resin/metal	Resin/metal
Brake lever related	Material	Aluminum	Aluminum
	Finger	2-finger	2-finger
	Technology	<b>I-SPEC EV</b>	<b>I-SPEC EV</b>
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 <b>CUES</b>	SHIMANO	SHIMANO
Model no.		<b>BL-U8000/BR-U8020</b>	<b>BL-MT501/BR-MT520</b>	<b>BL-MT402-3A/BR-MT420</b>
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	Resin/metal
Brake lever related	Material	Aluminum	Aluminum	Aluminum
	Finger	3-finger	2-finger	3-finger
	Technology	<b>I-spec II</b>	<b>I-spec II</b>	-
Oil bleeding	 ONE WAY BLEEDING	-	√	√
	Funnel bleeding tool	√	√	√

## Disc brake rotor

**BIKE RATED** 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	Lock ring spline type			
						Metal	Resin			Alloy	External	Internal	
	CENTER LOCK	RT-CL900				X	X	203 mm	X	-	IRTCL900LJ		
						X	X	180 mm	X	-	IRTCL900MJ		
						X	X	160 mm	X	-	IRTCL900SJ		
X		X				203 mm	X	-	IRTCL800LJ				
X		X				180 mm	X	-	IRTCL800MJ				
X		X				160 mm	X	-	IRTCL800SJ				
		RT-CL800		NEW RT-CL700				X	X	203 mm	-	ERTCL700LE	ERTCL700LI
								X	X	180 mm	-	ERTCL700ME	ERTCL700MI
								X	X	160 mm	-	ERTCL700SE	ERTCL700SI
		X		X				140 mm	-	ERTCL700SSE	ERTCL700SSI		
	SM-RT70				X	X	160 mm	-	-	ESMRT70SJ			
					X	X	203 mm	X	IRTEM910LE	IRTEM910LI			
	RT-EM910				X	X	180 mm	X	IRTEM910ME	IRTEM910MI			
					X	X	160 mm	X	IRTEM910SE	IRTEM910SI			
					X	X	203 mm	X	IRTEM810LE	IRTEM810LI			
	RT-EM810				X	X	180 mm	X	IRTEM810ME	IRTEM810MI			
					X	X	160 mm	X	IRTEM810SE	IRTEM810SI			
					X	X	203 mm	-	ERTEM600LEC	Black: ERTEM600LI3C Silver: ERTEM600LIC			
	RT-EM600				X	X	180 mm	-	ERTEM600MEC	Black: ERTEM600MI3C Silver: ERTEM600MIC			
					X	X	160 mm	-	ERTEM600SEC	Black: ERTEM600SI3C Silver: ERTEM600SIC			
					-	X	203 mm	-	ERTEM300L	ERTEM300L			
	RT-EM300			Standard	-	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	
			44T	Without	Silver	ESMCRE61A8XS	Y0J144000
				With double		ESMCRE61B4DG	
				With single		ESMCRE61B4SG	
Without		ESMCRE61B4X					
		CR-EM800	32T	Without		ICREM800A2XL	Y0RU9802T
		CR-ET600	38T	With double		ECRET600A8DG	Y0PX9801T
	With single				ECRET600A8SG		
	Without			Black	ECRET600A8XL		
	44T		Without	Silver	ECRET600A8XS	Y0PX9802T	
			With double		ECRET600B4DG		
			With single		ECRET600B4SG		
Without		ECRET600B4X					
		SM-CRE70-B	34T (53 mm chain line)	Without		ESMCRE70BA4X	Y0J434000
			34T (55 mm chain line)			ESMCRE70B55A4XL	
		SM-CRE70	38T	With double		ESMCRE70A8DGL	Y0J438000
				Without		ESMCRE70A8XL	
		SM-CRE70-12-B	36T (53 mm chain line)	Without		ESMCRE7012BA6XL	Y0KK36000
			36T (55 mm chain line)			ESMCRE7012B55A6XL	
	FC-E8000/ E8050/M8050/ M8150/EM600/ EM900/EN500	SM-CRE70-12	42T	With double		ESMCRE7012B2DGL	Y0KK42000
		SM-CRE80	34T	Without		ISMCRE80A4X	Y1VY00030
			38T			ISMCRE80A8X	Y1VY00040
			44T	With double		ISMCRE80B4DG	Y1VY44000
			34T (53 mm chain line)	Without		ISMCRE80BA4X	Y1VY00030
	34T (55 mm chain line)		ISMCRE80B55A4XL				
	38T (53 mm chain line)		ISMCRE80BA8X		Y1VY00040		
	38T (55 mm chain line)		ISMCRE80B55A8XL				
		SM-CRE80-R	47T	Without		ISMCRE80RB7XL	Y0JZ47000
		SM-CRE80-12-B	34T (53 mm chain line)	Without		ISMCRE8012BA4X	Y0KJ34100
			34T (55 mm chain line)			ISMCRE8012B55A4XL	
			36T (53 mm chain line)			ISMCRE8012BA6X	Y0KJ36100
			36T (55 mm chain line)			ISMCRE8012B55A6XL	
			38T (53 mm chain line)			ISMCRE8012BA8X	Y0KJ38100
			38T (55 mm chain line)			ISMCRE8012B55A8XL	
		SM-CRE80-12-SB	34T	Without		ISMCRE8012SBA4XL	Y0KJ34100
			36T			ISMCRE8012SBA6XL	Y0KJ36100

## Chain



Chromizing Treatment Link Pin



Hollow Pin



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

### 12-speed

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

### 11-speed HG & 11/10-speed LG

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

### 10-speed

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

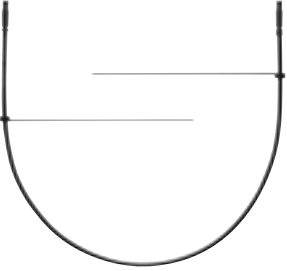
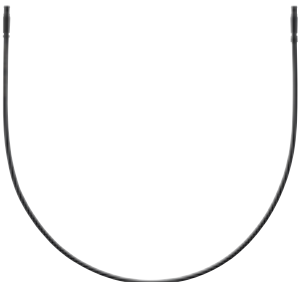

### 9-speed

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


### 8/7/6-speed

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




# Electric wire

	Model no.	Series	Description	Length	Code no.				
	EW-SD300-I	SHIMANO	2nd generation E-TUBE cable for Di2 (for built-in routing)	150 mm	IEWSD300IL015				
				200 mm	IEWSD300IL020				
				250 mm	IEWSD300IL025				
				300 mm	IEWSD300IL030				
				350 mm	IEWSD300IL035				
				400 mm	IEWSD300IL040				
				500 mm	IEWSD300IL050				
				550 mm	IEWSD300IL055				
				600 mm	IEWSD300IL060				
				650 mm	IEWSD300IL065				
				700 mm	IEWSD300IL070				
				750 mm	IEWSD300IL075				
				800 mm	IEWSD300IL080				
				850 mm	IEWSD300IL085				
				900 mm	IEWSD300IL090				
					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								
	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.
 <p>SM-PCE02 Micro USB cable PC link cable for SD50</p> <p>EW-SD50 SM-JC41 TL-EW02</p>	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	
 <p>SM-PCE02 Micro USB cable PC link cable for SD300</p> <p>Setting cable EW-JC304 TL-EW300</p>	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	
 <p>SM-PCE02 Micro USB cable PC link cable for SD300</p> <p>PC link cable for SD50 Setting cable EW-SD50</p> <p>EW-JC304 SM-JC41 TL-EW300 TL-EW02</p>	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
			EW-SD50	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	ISMPCE02B (SD50 type) ISMPCE02B2 (SD300 type) ISMPCE02B3 (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



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



**TL-FC36**

HOLLOWTECH II bottom bracket cup tool



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



**TL-FC33**

HOLLOWTECH II bottom bracket cup tool



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



**TL-FC39**

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

<b>Usage</b>	Installation and removal tool of lock ring for chainring
<b>USP</b>	<ul style="list-style-type: none"> <li>Adapter style to use with TL-FC36 or TL-FC32</li> <li>Precise spline profile</li> <li>Hardened steel for rigidity and durability</li> </ul>
<b>Compatibility</b>	DU-EP800/E8000/E7000/E6100/E5000
<b>Remark</b>	An impact wrench cannot be used
<b>Code no.</b>	YEZY00016



**TL-CN28**

6-11-speed compatible chain tool



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



**TL-CN29**

9-12-speed compatible chain tool



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



**Spare arrow**

**Code no.** Y13098190



**Spare arrow**

**Code no.** Y13098190



**TL-CN10**

QUICK-LINK connecting & removing pliers



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

**TL-DUE60**

Chain tension measurement tool

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

**TL-EW300**

Plug tool for connection and disconnection of Electric wire

<b>Usage</b>	Plug tool for connection and disconnection of EW-SD300
<b>Compatibility</b>	EW-SD300
<b>Code no.</b>	Y7HE40000

**TL-EW02**

Plug tool for connection and disconnection of Electric wire

<b>Usage</b>	Plug tool for connection and disconnection of EW-SD50
<b>Compatibility</b>	EW-SD50
<b>Code no.</b>	Y6VE16000

**TL-FC430**

Lock ring tool for DU-EP801/EP600

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

**TL-BME02**

Battery mount setting tool

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

**TL-BME03**

Battery mount setting tool

<b>Usage</b>	Measurement tool for installation of battery mount
<b>Compatibility</b>	BM-E8020
<b>Code no.</b>	YEZY00015

**TL-BME04**

Battery mount setting tool

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

**TL-BME05**

Battery mount setting tool







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

**TL-BME06** NEW

Battery mount setting tool

<b>Usage</b>	Measurement tool for installation of battery mount
<b>Compatibility</b>	BM-EN810-A
<b>Code no.</b>	Y2NT98010

### Internal assembly of internal geared hub

				Axle length (mm)				
	Speed	Series	Model no.	182	184	187	193	Others
 SG-C7000-5D	3-speed	3CC	SG-3C-41	-	-	-	-	Y35U98010 (168) Y33R98020 (175) Y35U98020 (178)
			SG-3C41-DX	-	-	-	-	Y35U98010 (168) Y33R98020 (175)
 SG-C3001-7D	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	-	-		
 SG-C6001-8D	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)
 SG-C6001-8D	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	-	-	-
 SG-C6001-8D	11-speed	ALFINE-11	SG-S7001-11	-	-	Y3EN98010	-	-
			SG-S7051-11	-	-	Y3EM98010	-	-
 SG-C6001-8D	8-speed	ALFINE-8	SG-S7001-8	-	-	Y3EB98010	-	-
			SG-S7051-8	-	-	Y3EA98010	-	-



# Service & Warranty

## ALWAYS THERE

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

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

# FAQ

SHIMANO E-BIKE SYSTEMS FAQ

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



E-TUBE PROJECT Professional FAQ

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



E-TUBE PROJECT Cyclist FAQ

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



SHIMANO E-BIKE SYSTEMS come equipped  
with a wide variety of bicycle brands.  
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where you can test ride these bikes.

**SHIMANO**  
**E-BIKE**  
SYSTEMS

