

SHIMANO

2021 E-BIKE PRODUCT
CATALOGUE

SHIMANO
STEPS

shimano-steps.com



100th ANNIVERSARY
1921-2021



<https://www.shimano.com/en/100th/>

SHIMANO Centennial Site

Shimano dedicated 100 years to pursue people's happiness in finding harmony close to nature and creating new values through the field of bicycle components, fishing tackles, and rowing equipment. Shimano has always been, and always will be, providing highly-trusted quality and deliver Captivating Products for the next 100 years. This website looks back on the 100 years of Shimano's history and offers a special thank you to those who have supported us.



CONTENTS

CONCEPT **04**

DEVELOPMENT PHILOSOPHY

HARDWARE **11**

TECHNOLOGY **14**

SOFTWARE **16**

E-TUBE WEBSITE

SHIMANO SMART CONNECT E-TUBE **26**

PRODUCTS

CHOOSE YOUR RIDING STYLE **28**

ALL-TERRAIN & PREMIUM E-MTB **30**

E-MTB | EP800 **32**

E-MTB | E8000/E7000 **40**

CITY&TREKKING | E6100/E5000 **54**

SYSTEM COMPONENTS **70**

SERVICE PARTS **86**

SERVICE & WARRANTY/FAQ **94**

Carefully Crafted Over A Century, Built On Cycling History

THE ESSENCE OF CYCLING

Our e-bike systems have been carefully crafted over 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 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 STEPS.





SHIMANO STEPS

INTRODUCTION

Energize Your Lifestyle

NOT ONLY WILL SHIMANO STEPS
TRANSFORM YOUR RIDE BUT IT WILL ALSO
TRANSFORM YOUR LIFE

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



Mountain Bike

E-bike Systems For Adventurers

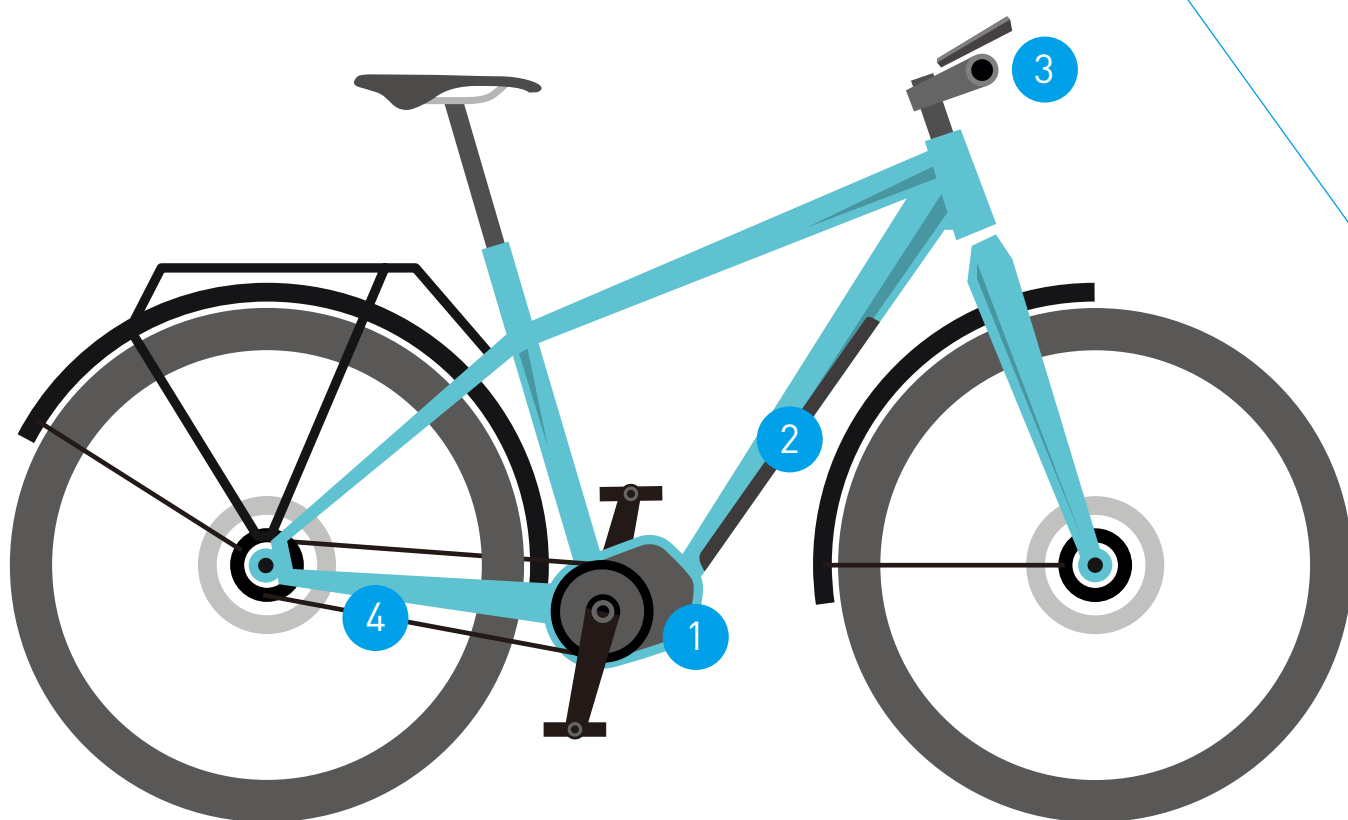
SHIMANO
STEPS

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 COMPLETE DRIVETRAIN OF SHIMANO COMPONENTS HARMONIZED TO WORK SEAMLESSLY TOGETHER 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 20mph. 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: they can handle 1000 charge cycles with no 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. Check your speed, distance, gear, trip time, power-assist mode and more – at a glance. You can select from four display options. And wirelessly connect from 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 STEPS cycle computer.

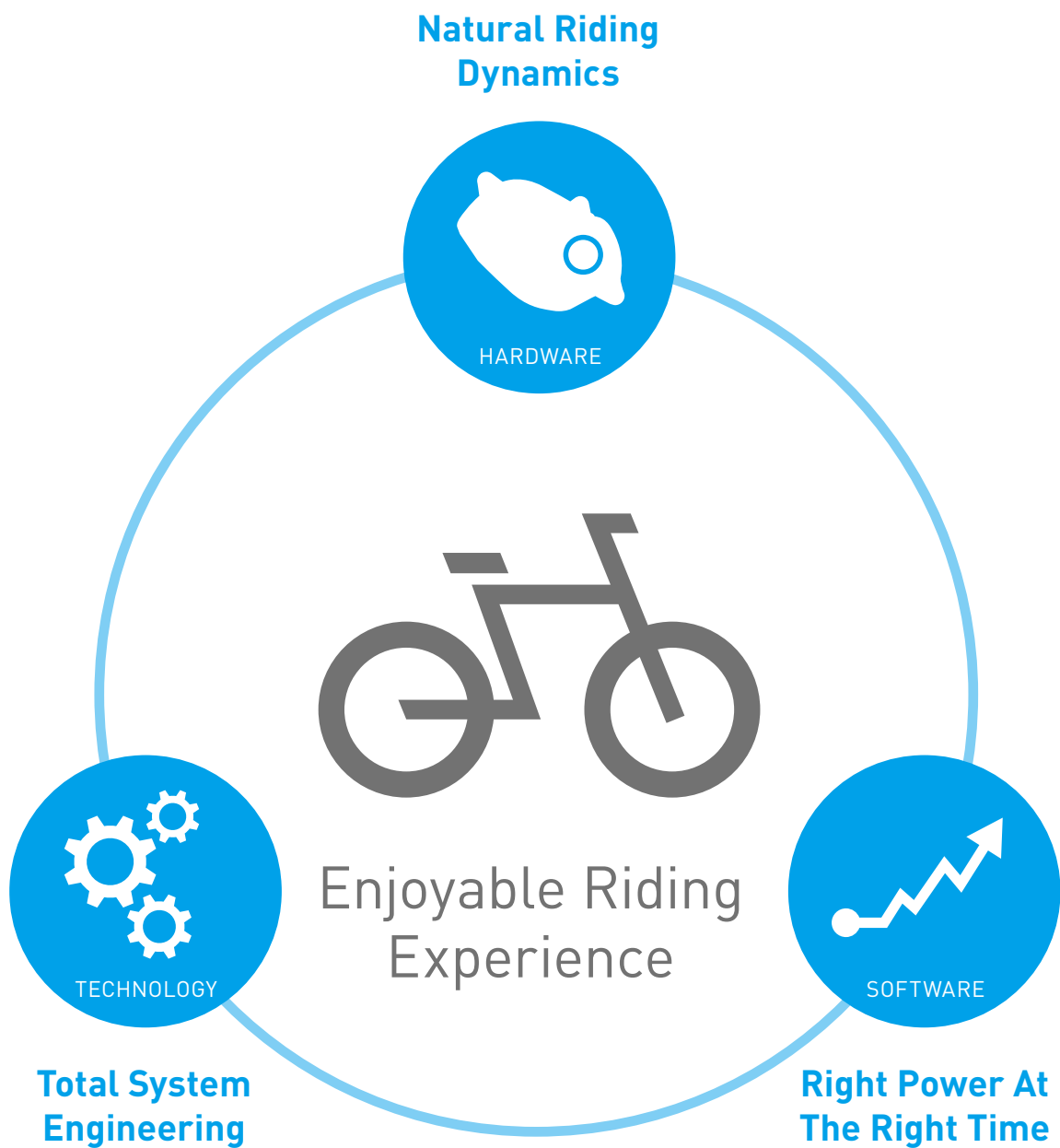
4 – Drivetrain

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 an unparalleled performance.

Available On A Wide Variety Of Brands

Shimano e-bike and e-MTB systems come equipped on a wide variety of bike brands. Browse your favorite at shimano-steps.com

Development Philosophy



A BIKE ENGINEERED PEDALING INTERFACE FOR MORE NATURAL BIKE CONTROL

Lightweight EP800

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 2.6kg, the EP800 DU weighs 300 grams less than predecessor drive units. It is truly one of the lightest drive units available and delivers best-in-class power for its weight.



EP800

Compact & Powerful EP800

Don't let size or looks deceive you. This sleek, slender and slim drive unit packs a robust 85N·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

DU-EP800 vs. DU-E8000

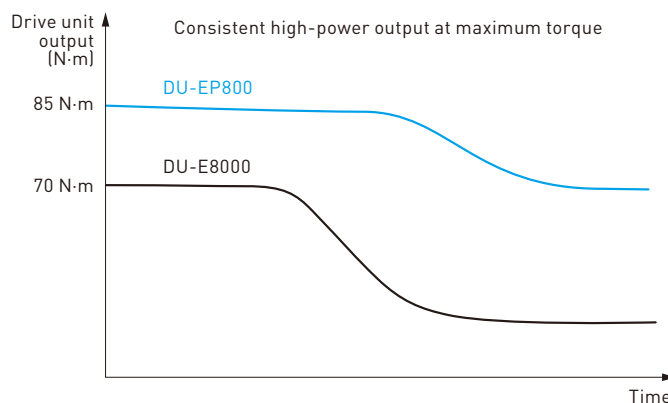
Quieter EP800

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 EP800 Drive Unit is 2dB quieter than our E8000 DU (achieving the same volume output as E7000) while outputting higher max levels of assist.

Handle The Heat EP800

Thanks to smart heat exchange improvements like heat-conducting magnesium materials, a larger moulded-in surface area, and a completely redesigned motor housing, EP8 can handle rising temperatures on climbs meaning you get maximum torque for longer.

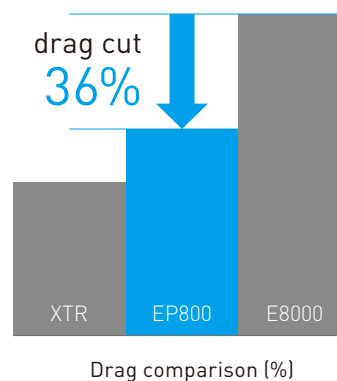


Smoother Pedaling EP800

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 20mph.

EP8 delivers smooth pedaling and no surprises.

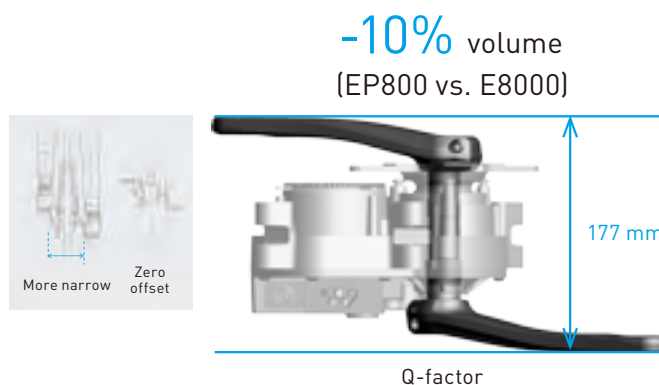


Zero Offset And Narrower Q-Factor

EP800/E8000/E7000/E6100/E6110/E5000

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.

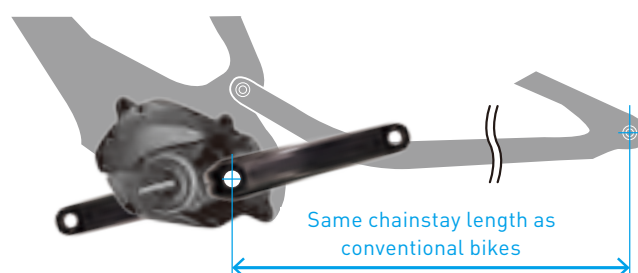


Short Chain Stay

EP800/E8000/E7000/E6100/E6110/E5000

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

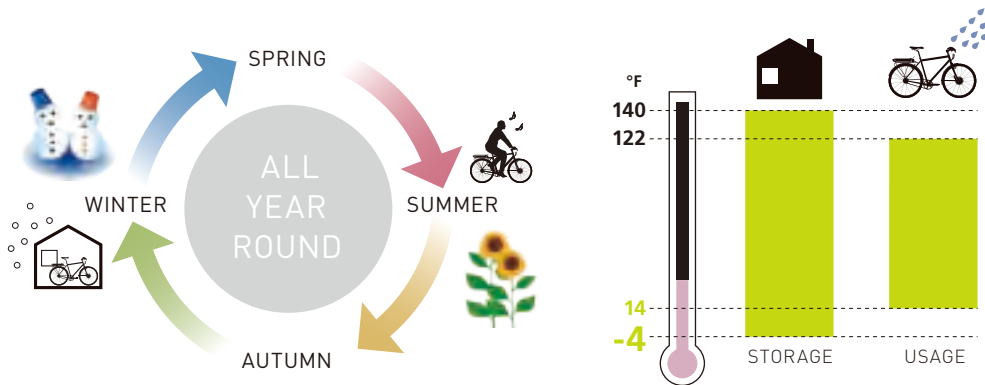
The short chain stay specification allows frame makers to design power-assisted bikes that provide the same maneuverable handling and authentic feel of conventional bikes.



SHIMANO BATTERY SOLUTIONS

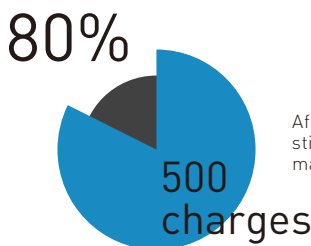
Shimano batteries and chargers are IPX5 water-resistant so you don't have to lug your batteries inside to recharge. Being able to quickly charge your bike outside is a quality of life improvement that is a huge benefit for riders who want a fast boost of range while stopping for a meal or meeting friends.

To supply year-round enjoyment under any conditions, the Shimano battery system features long-life operation and storage at a wide range of temperatures.

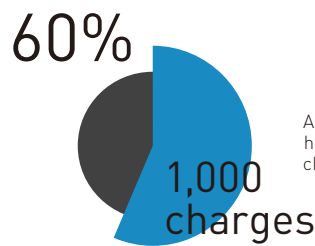


Long-lasting Batteries

SHIMANO STEPS batteries keep a greater charge for longer - retaining as much as 60% of max capacity after a 1,000 charges. This yields years of reliable battery capacity for the average rider.

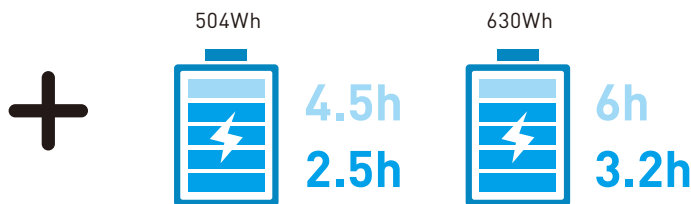


After 500 charges: still holds 80% of max charge



After 1,000 charges: holds 60% of max charge

High Level Water-Resistant Performance And Quick Charging (EC-E8004)

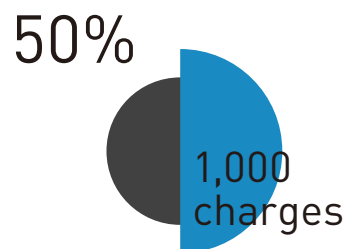
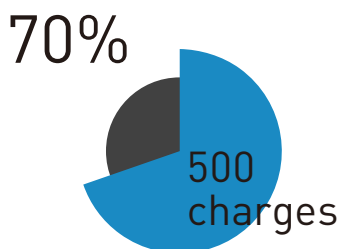


100% charged
80% charged
Note: When charged with EC-E8004

Reliable Low-Temperature Battery Performance

SHIMANO STEPS batteries continue to perform at near peak capacity in freezing temperatures. 32°F

Cold-Temperature Usage 32°F



DEDICATED E-BIKE DI2 FEATURES



E-bike DI2 Internal Geared Hub Automatic Shifting (INTER-8/INTER-5E)

EP800/E6100 and E5000 series drive units in combination with a DI2-compatible 8/5 speed internal geared hub offer full automatic shifting. The SHIMANO STEPS 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 STEPS system 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.

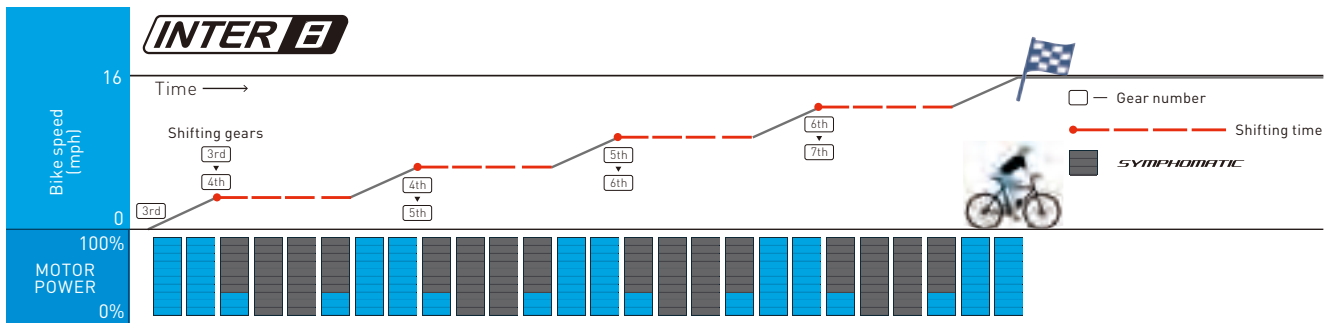
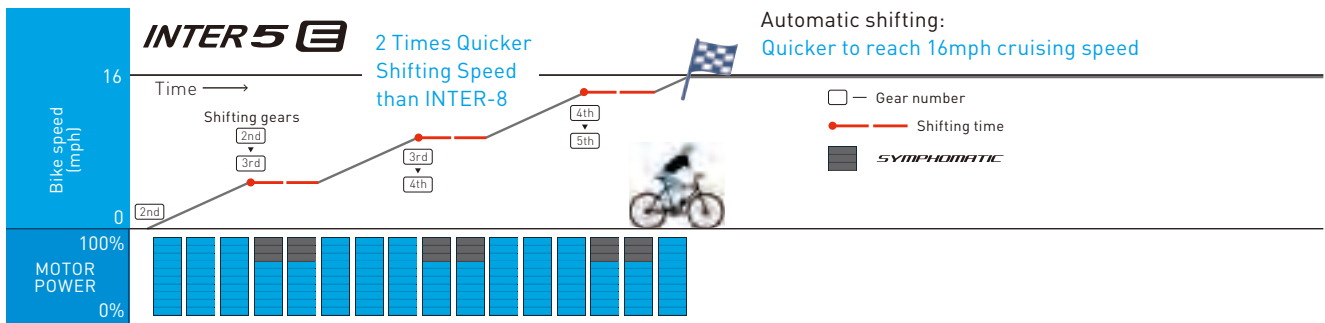
E-bike Specific Internal Geared Hub (INTER-5E)

INTER 5 E BIKE DESIGN

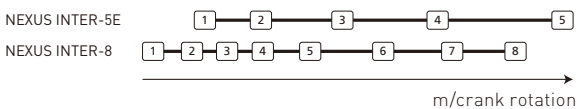
The NEXUS INTER-5E is a revolutionary internal geared hub with enormous 263% gear range that was designed for the unique demands of e-bike riding, and built to withstand much higher pedaling forces while shifting.

- 50% more durable vs. SG-C6000 series
- Reliable shifting under three times heavier pedaling torque vs. SG-C6000 series

With optional DI2 automatic shifting and automatic gear adjustment after stopping, riders can get quickly back up to speed.



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.

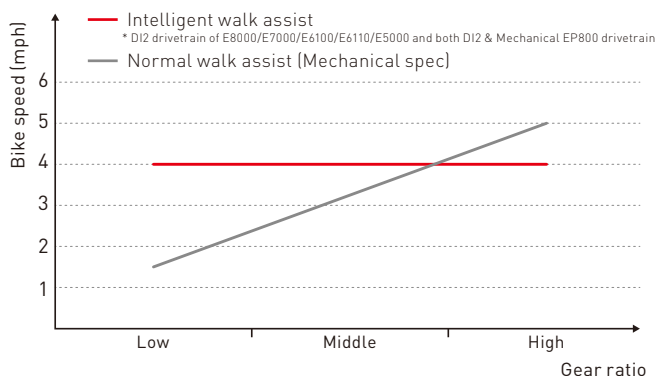
SYMPHOMATIC

SHIMANO STEPS 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.

Intelligent Walk Assist* EP800/E8000/E7000/E6100/E6110/E5000

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 EP800, 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.



	Intelligent walk assist	
	DI2 drivetrain	Mechanical drivetrain
NEW EP800	✓	✓
E8000/E7000/E6100/ E6110/E5000	✓	—

[How to operate]

Walk assist icon

for example SC-E5000 screen image

- 1 Start [WALK] mode:
Hold down the Y button 0.5 seconds until [WALK] displays, then release the button.
- 2 Activate [WALK] mode:
Hold down the Y button continuously while pushing the bike.

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

Start Mode

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 proper 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 STEPS 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.





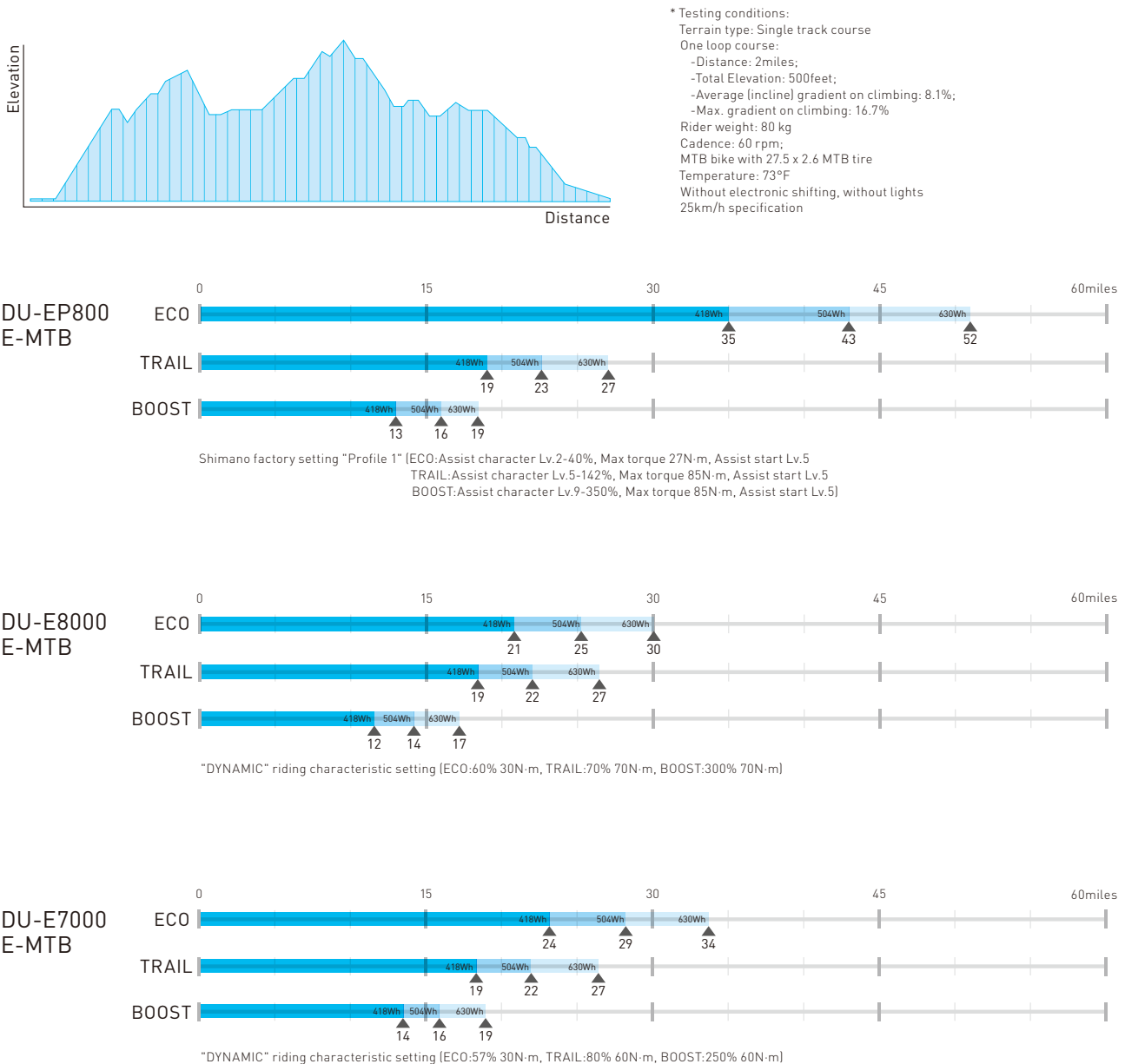
THE RIGHT POWER AT THE RIGHT TIME

Shimano original assist algorithms are developed and improved based on rider experiences and desires. SHIMANO STEPS 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 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.

Singletrack Course* Performance

EP800 is 20% more powerful than E8000 while providing the same great riding range on a single track test course* packed with steep climbs.



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

Flat Paved Road Course* Condition

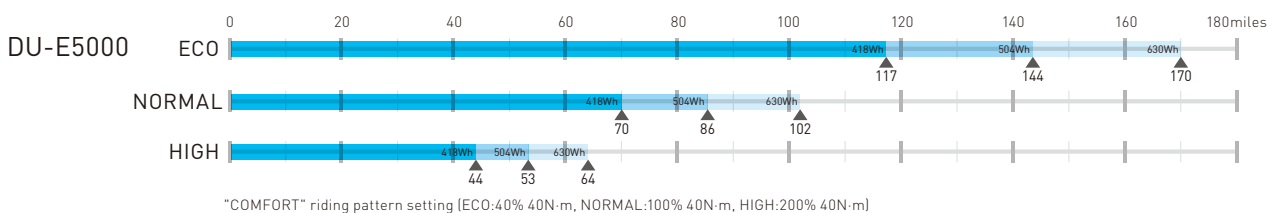
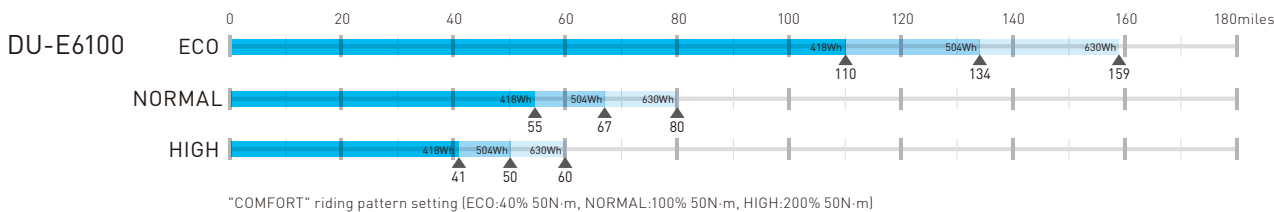
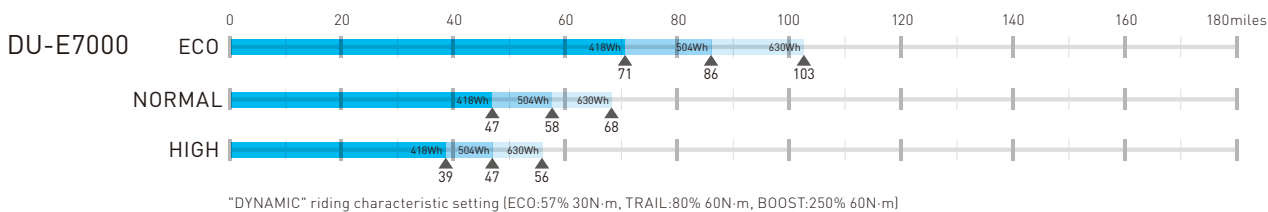
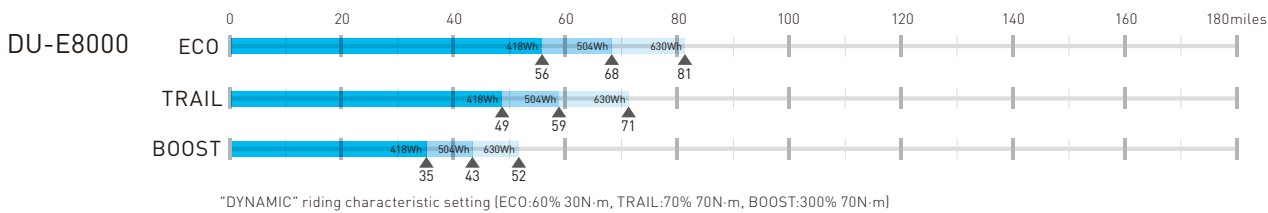
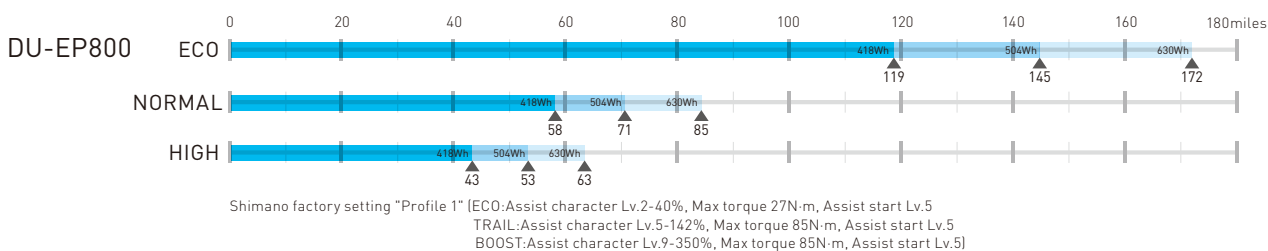
Shimano tested battery ranges for each drive unit and mode

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.

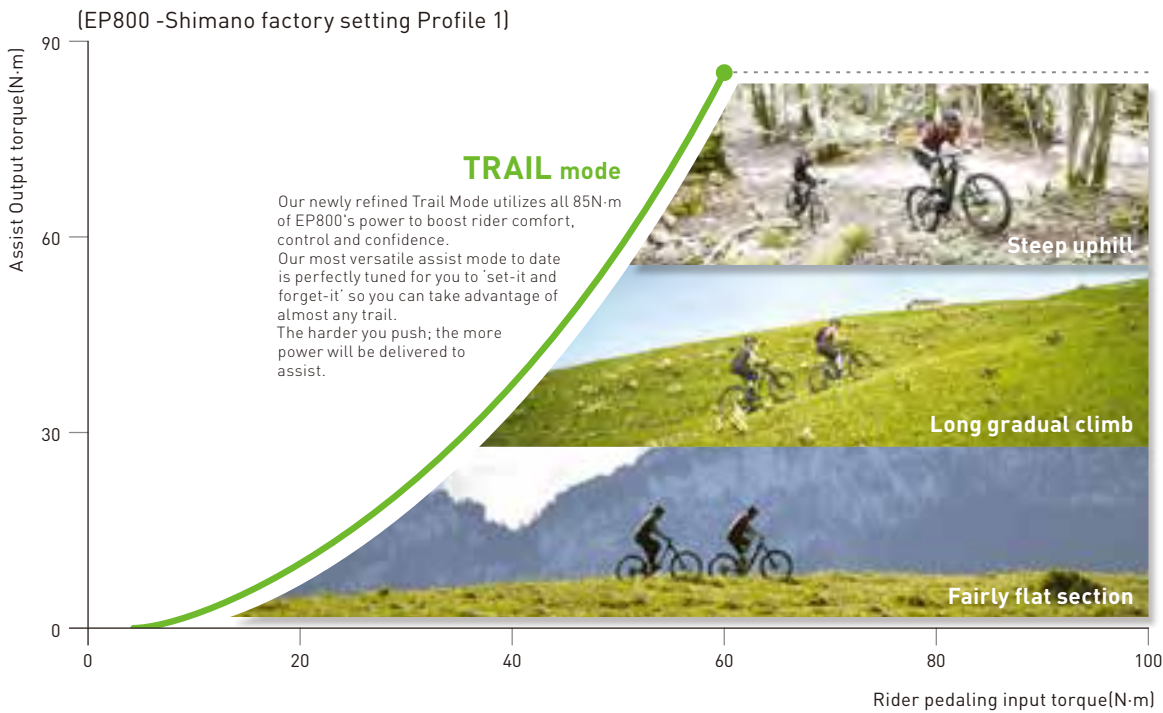


Note: These figures represent expected range for new rechargeable batteries and may vary over time or if used outside of these specific testing conditions.

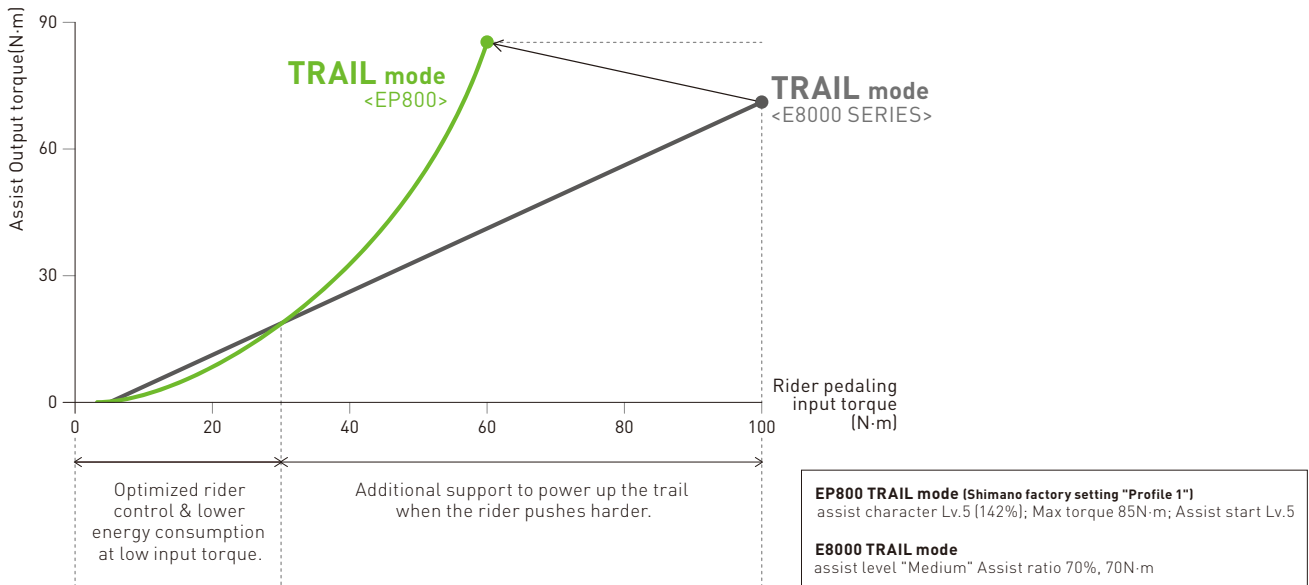
Shimano Re-Booted TRAIL Mode For E-MTB EP800/E8000/E7000

Shimano TRAIL mode sets its assist output characteristics to focus on bike control in the fast-changing conditions of MTB. TRAIL mode delivers optimal assist power when riders need the best performance, so you receive the right power at the right time, safe in the knowledge you'll always have maximum traction and control. Whether tackling loose sand or steep mountain ranges, the drive unit rapidly and seamlessly self-adjusts so you can concentrate fully on the trail ahead.

Why is Shimano TRAIL mode suitable for such a wide range of riding conditions? It provides linear response output assist without sudden changes or idle spinning of output torque by maintaining a consistent output ratio. TRAIL mode optimizes rider control, lowers energy consumption at low input torque, and provides additional support to power up the trail when the rider pushes harder.



EP800 refined "TRAIL" mode feature compared with E8000



Swap Between Customizable Rider Profiles On The Fly EP800

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

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

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



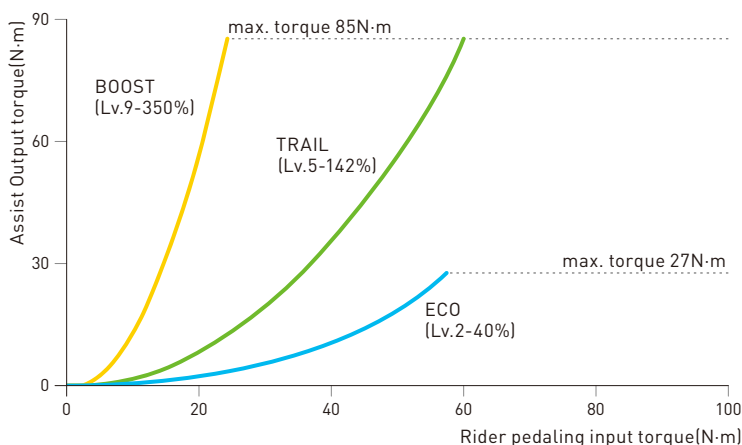
Setting → Assist Customize



Profile 1 ↔ Profile 2

[EP800 -Shimano factory setting Profile 1]

Versatile default assist settings that cover everything from fire roads to challenging single tracks.



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

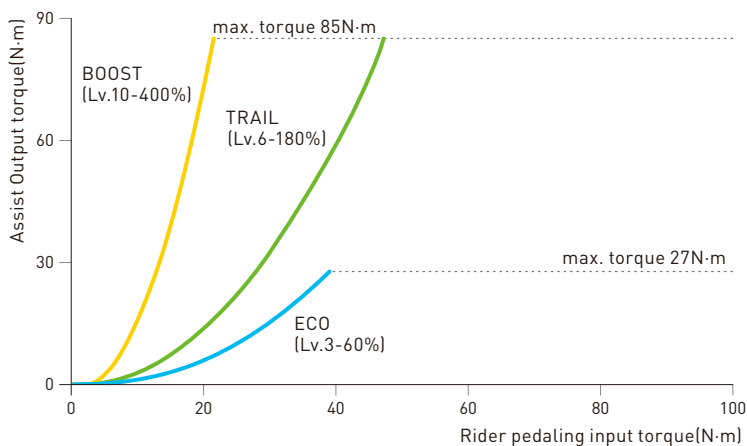
BOOST: Produces effective bike control on technical trails. Emphasizes faster application of assist torque for situations where high assist torque needs to be rapidly applied.

TRAIL: Versatile setting that covers everything from fire roads to difficult single tracks. Excellent assist torque control provides the proper amount of torque output according to the rider's pedaling force, and reliably transmits this force to the ground.

ECO: Great for daily commuting, accessing basic trails and riding on fire roads. Provides moderate assist output and low battery consumption.

[EP800 -Shimano factory setting Profile 2]

High-performance default assist settings are tuned for extreme riding, rapidly delivering the maximum assist in technical sections without sacrificing controllability.



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

BOOST: Drive unit's assist is set to the maximum level to support extreme riding. This mode is highly effective in situations that require a sharp rise in acceleration, such as climbing on steep slopes and maintaining bike control when riding over obstacles.

TRAIL: More powerful assist supports difficult single track riding while maintaining the controllability of output torque. Excellent assist torque control provides the proper amount of torque output according to the rider's pedaling force, and reliably transmits it to the ground's surface.

ECO: Great for daily commuting, accessing basic trails and riding on fire roads. Provides moderate assist output and low battery consumption.

Highly Customizable To Fit A Wide Variety Of Bikes, Terrain, And Riding Styles Through E-TUBE PROJECT* Application For Mobile Or Windows** EP800

Riders can first try riding with the recommended settings for "Profile 1" / "Profile 2" to see if these carefully tuned settings match their needs.

They can also decide to customize the following 3 parameters:

- Assist character: 10 levels (Lv.1 - Lv.10),
- Max torque: 10 Levels (20N·m - 85N·m),
- Assist start: 5 levels (Lv.1 - Lv.5)***

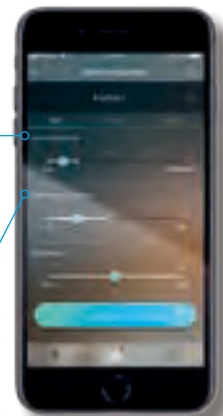
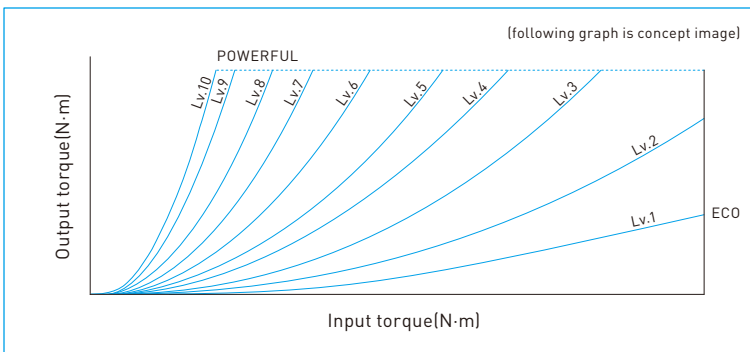
Use E-TUBE PROJECT* to adjust the settings for each assist mode to better match personal riding styles, preferences, and conditions.

Major factors to consider when adjusting profile parameters:

- Rider, bike, and packed items weight;
- Leg strength & stamina;
- Tire thickness, tire block pattern, & air pressure;
- Route features (level of elevation change, average and peak steepness of inclines.);
- Surface conditions (dirt, gravel, pavement, etc.);

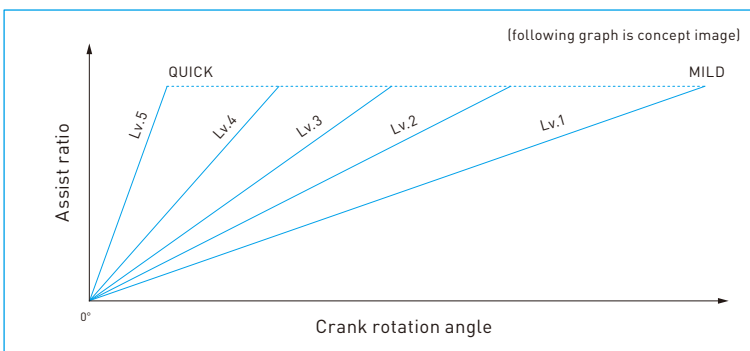
Note: The adjustable range of the above three parameters may vary depending on the factory settings chosen by each bike brand.

Assist character: 10 levels (Lv.1 - Lv.10)



E-TUBE PROJECT* for mobile

Assist start: 5 levels (Lv.1 - Lv.5)***



E-TUBE PROJECT* for Windows V4

❶ E-TUBE website information:
<https://bike.shimano.com/e-tube/project.html>



* From 4.0.0 version.

** Need to use SM-PCE02 to connect with PC.

*** Range between Lv.1 - Lv.5 may vary be each bike brand setting.



<image only>

Assist characteristics variation and customization can be set through E-TUBE PROJECT* for mobile or Windows

E8000/E7000

Please refer to assist characteristics and customization details on page 41.



<image only>

2 types of assist patterns (Sportive & Comfort) can be set through E-TUBE PROJECT* for mobile or Windows

E6100/E6110/E5000

Please refer to assist pattern details on page 57.

* From 4.0.0 version.

Optimal Assist Output For Any City Or Trekking Situation **E6100/E6110/E5000**

SHIMANO STEPS preserves a more natural and organic City and Trekking riding experience by providing the right amount of power at the right time. The system continuously and precisely monitors the rider's pedaling input, interprets the riding conditions based on this data, and adjusts the output profile accordingly. Zoom to your local café or glide through the countryside in comfort, control and style.

Comfortable pedaling

Natural and efficient pedaling positioning provides a more linear response.

Longer range, longer life

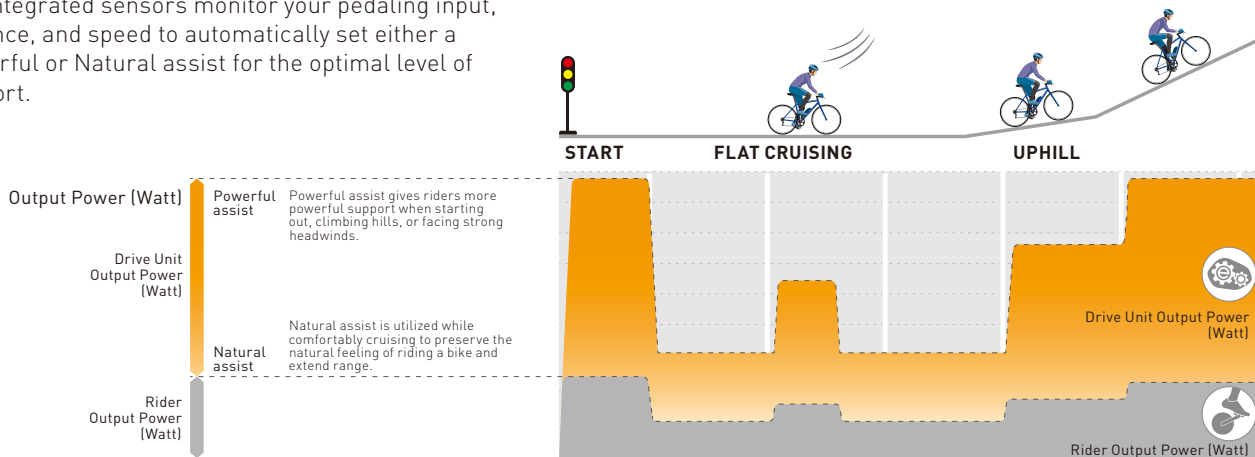
Optimized setting of assist output characteristic uses battery power more intelligently.

Greater focus on riding

Our drive units' two output power characteristics (Powerful & Natural) are automatically set according to riders' cadence sensor data.

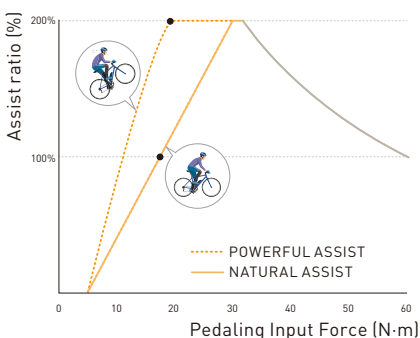
Optimal assist output characteristics for every situation

The integrated sensors monitor your pedaling input, cadence, and speed to automatically set either a Powerful or Natural assist for the optimal level of support.



Note: Image only based on E6100 HIGH mode with sportive riding characteristic setting

Pedaling input & motor output matched for maximum efficiency **E6100 HIGH Mode**



Whether you're zipping around city corners, crossing steep bridges, or coasting through the suburbs, our high-end e-bike system will be with you every step of the way.

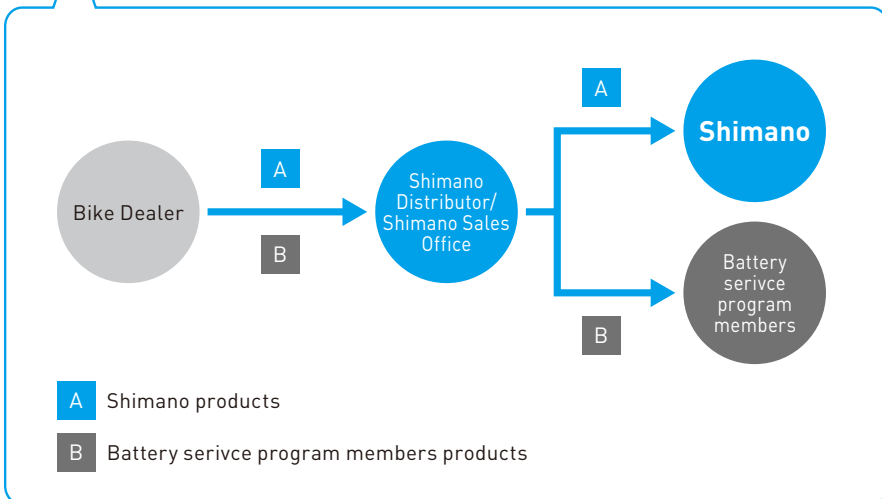
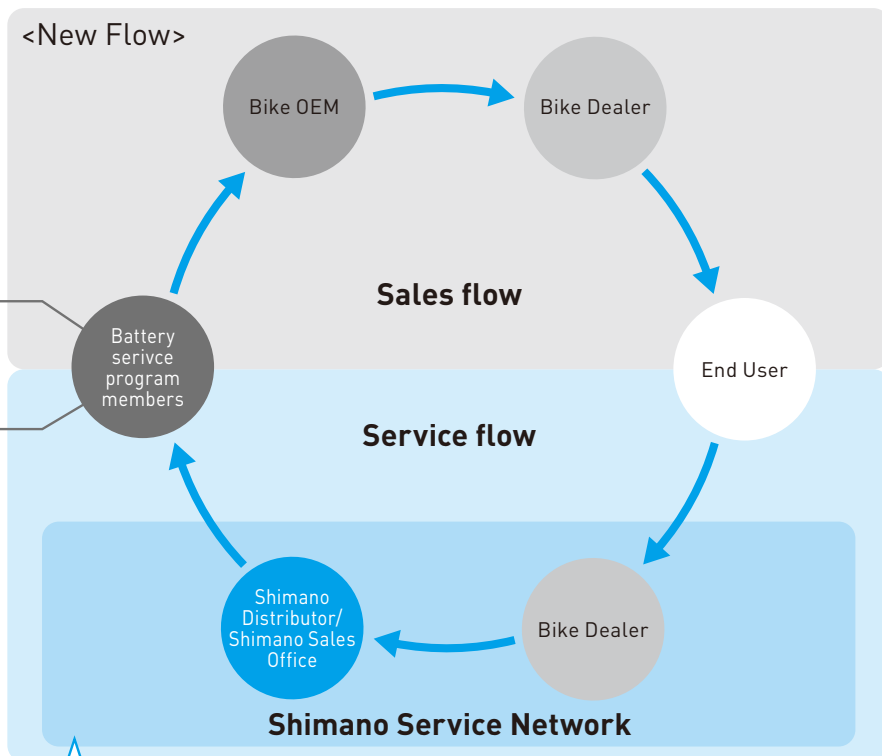
In addition to detecting and analyzing pedaling force, our system also detects and calculates rider cadence to optimally set the assist power characteristic that best matches the current riding conditions.

Data from the cadence sensor allows dynamic and real-time setting of the right output characteristic at every moment, which increases battery usage efficiency and riding range between charges.

COMPATIBLE BATTERIES` SERVICE SUPPORT PROGRAM*

Simplified Handling For Dealers

Battery service program members that Shimano offer battery service support program



* This service support program is not available in all areas. Availability will vary by region.
 EU coverage in select countries will begin in 2020 winter season, with a planned USA expansion in 2021.

How To Confirm If A Battery Is Supported In 2 Steps

- 1 Check for the special logo on the battery
Supported batteries have a SHIMANO STEPS SERVICE logo (Refer to the accompanying image)



- 2 Check with the E-TUBE PROJECT application for Windows (from 4.0.0 version)
After connecting the bike, a special "SUPPORTED BY SHIMANO"*** (refer to following icon) status icon will appear for supported batteries.



SUPPORTED BY SHIMANO

** New firmware and SKU are needed for E-TUBE APP to list a battery as "Supported by SHIMANO"

CHOOSE YOUR DISPLAY

SHIMANO STEPS empowers riders of any style to take control of how they see their riding data by providing multiple viewing options. Connect seamlessly to a Shimano original cycle computer, a compatible device made by one of our official display partners, or via our new E-TUBE RIDE smartphone app.

	Shimano Original Cycle computer						
	SC-EM800	SC-E8000	SC-E5003	SC-E7000	SC-E6100	SC-E5000	
Bluetooth	●	●	—	●	●	—	● : YES — : NO
ANT	●	●	—	●	●	—	

OR

	Smartphone	Display Partners		Wireless unit	
	E-TUBE RIDE APP	GARMIN. EDGE® 1030 EDGE® 830 EDGE® 530	SIGMA ROX 12.0 SPORT	EW-EN100	
Bluetooth	●	—	—	●	● : YES — : NO
ANT	—	●	●	●	

SHIMANO

Smart Connect

E-TUBE

Shimano E-TUBE service connects the riders with the bikes through the latest technology.

With our free E-TUBE apps download, you can enhance more exciting, convenient, comfortable and smarter connect experience.



E-TUBE PROJECT

CUSTOMIZABLE SETTINGS OFF THE BIKE

Shimano genuine application E-TUBE PROJECT allows you to customize your settings, update firmware, and get the useful information through Windows PC ver. by connecting with the bikes.

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

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



Precisely grasp the bike condition at a shop to 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 the E-TUBE PROJECT mobile apps.
- 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/e-tube/project.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 a new discovery on everyday rides.

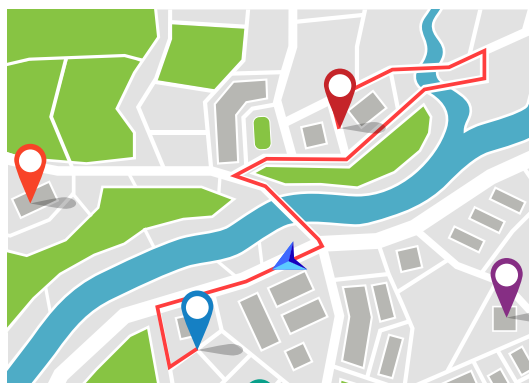
Want to ride somewhere new? Simply enter your location in the map and you'll be ready to explore!



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

Have more fun cycling than usual as you can check your bike condition while riding.

- 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

What's
your system?

—
Whether you're young or old, a city commuter, busy parent, sporty, adventurous, or simply ride for pure pleasure, we have the perfect Shimano e-bike system to energize your lifestyle.

CITY COMFORT

CITY



CITY & TREKKING
SHIMANO STEPS | E6100



CITY COMFORT
SHIMANO STEPS | E5000



FOR HASSLE-FREE
EVERYDAY RIDES
IN THE CITY



XC & CASUAL MTB



FOR CONQUERING MOUNTAINS AND EXPLORING NEW TRAILS

NEW

PREMIUM E-MTB

EP8 | EP800



FOR CONQUERING MOUNTAINS AND EXPLORING NEW TRAILS



PREMIUM E-MTB

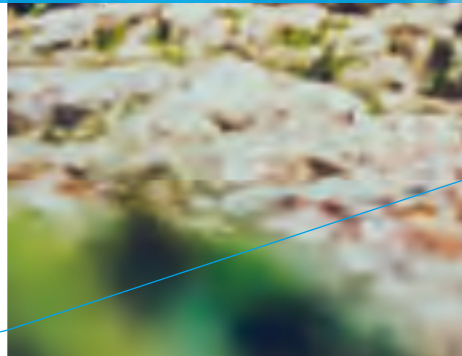
SHIMANO STEPS | E8000



FOR SPORTY OFF ROAD ADVENTURES

ALL ROUND E-MTB

SHIMANO STEPS | E7000



PREMIUM MTB



FOR COMMUTES THROUGH THE CITY AND BEYOND



TREKKING

Browse your favorite bike brands

Shimano e-bike and e-MTB systems come equipped on a wide variety of bike brands. Browse your favorite at shimano-steps.com



<https://shimano-steps.com/>

Customize your ride

Shimano e-bike and e-MTB systems can be easily configured to suit your needs. Ask your dealer about the possibilities. And to customize your ride further – via Shimano E-TUBE apps – visit e-tubeproject.shimano.com



E-TUBE PROJECT for Windows V4 Top
<https://bike.shimano.com/e-tube/project/forwindows.html>



E-TUBE PROJECT for mobile Top
<https://bike.shimano.com/e-tube/project/formobile.html>

All-Terrain & Premium E-MTB

EXPLORE NEW GROUNDS

Ready to discover uncharted territory? Built on 35 years of pioneering innovation, our e-MTB systems are designed to let you maneuver your bike like a regular mountainbike. Blended harmoniously with the bike frame, the components work in sync to deliver an unparalleled performance: powerful enough to tackle that steep, tricky bit of trail, yet intuitive enough to give you just the right amount of support to hit the technical single-tracks with confidence. They allow you to fully focus on what's ahead. So stop thinking and start exploring.

Equipped on 70+ mountainbike brands

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



SHIMANO STEPS
EP800 PRODUCTS



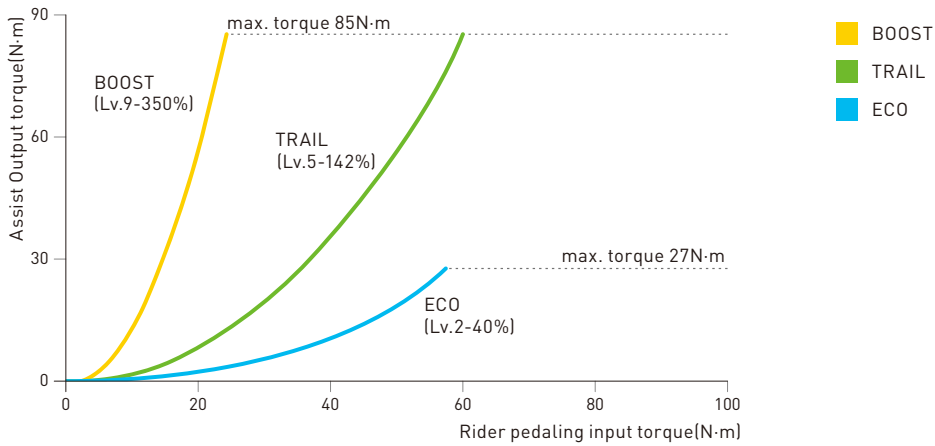
EP8



DRIVE UNIT OUTPUT FEATURE

Motor assist maximum torque/Rider pedaling input torque

(EP800 -Shimano factory setting Profile 1)

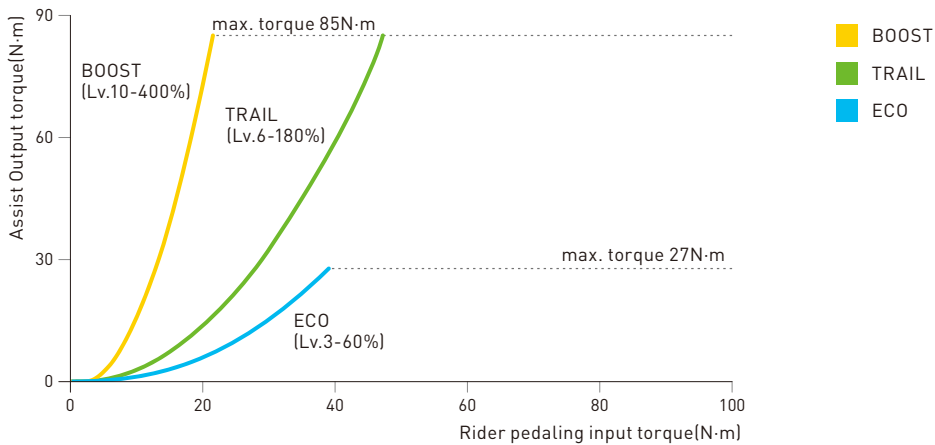


Shimano factory setting (Profile 1) details:

	ECO					POWERFUL				
Assist character (Lv.)	1	2	3	4	5	6	7	8	9	10
Max torque (N·m)	20	27	34	42	49	56	63	70	78	85
	MILD				QUICK					
Assist start (Lv.)	1	2	3	4	5					

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

(EP800 -Shimano factory setting Profile 2)



Shimano factory setting (Profile 2) details:

	ECO					POWERFUL				
Assist character (Lv.)	1	2	3	4	5	6	7	8	9	10
Max torque (N·m)	20	27	34	42	49	56	63	70	78	85
	MILD				QUICK					
Assist start (Lv.)	1	2	3	4	5					

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-EP800

Drive Unit

- Pure trail focus
- Evolved MTB performance
- 85N·m max torque
- Max assist ratio: 400%
- 2.6 kg total weight
- 10% reduced volume (compared with E8000)
- 36% less drag
- x4 Assist Modes (Walk*/Eco/Trail/Boost)



2 DC-EP800-A/B/G

Drive Unit Cover/Drive Unit Cover (Mount Bolt Exposed Type)/Drive Unit Guard

- Aggressive MTB riding design



3 FC-M8150

HOLLOWTECH E-MTB Crank Arm Set

- HOLLOWTECH Crank Arm Set
- 24 mm bottom bracket spindle
- Crank arm length: 160 mm, 165 mm, 170 mm, 175 mm



3 FC-EM900/FC-EM600

HOLLOWTECH Crank Arm Set/Crank Arm Set

- FC-EM900/HOLLOWTECH Crank Arm
- FC-EM600/Crank Arm Set
- 24 mm bottom bracket spindle
- Crank arm length: 160 mm, 165 mm, 170 mm, 175 mm



4 SM-CRE80-12-B

E-MTB Chainring 12-speed

- DYNAMIC CHAIN ENGAGEMENT+ with teeth shape to prevent chain drop
- Chainline 53 mm
- W/o chain guard type only
- Chainring teeth: 34T, 36T, 38T



4 CD-EM800

Chain Device

- Ensures drivetrain stability
- Clean and compact design
- Compatible with 53 mm & 56.5 mm chainline
 - » Precise adjustment mechanism on guide
- Lightweight (-20g compared with SM-CDE80)
- Compatible top gear tooth: 38T, 36T, 34T





5 SW-EM800-L

Left Switch Unit for Assist

- Switch between 'Off', 'Eco', 'Trail' and 'Boost' support modes
- Concave button shape with wider input area



6 SC-EM800

Wireless Cycle Computer

- Integrated to not dominate the handlebar and safely positioned
- Color co-ordinated levels of assist for easy on-trail ref
- Readable in bright sunshine
- LCD size (inch): 1.6
- Selection of two ride profiles via display
- Bluetooth connectivity with E-TUBE apps
- ANT private wireless communication with third-party displays



7 EW-SD300

Electric Wire SD300 for External Routing



8 EW-SW300

SD300 Satellite System On/Off Switch

9 BT-E8036

Integrated Type Battery for Down Tube (630 Wh)

- Supports sleek frame design
- Voltage: 36 V
- Capacity: 17.5 (Ah) / 630 (Wh)
- Quick charging: 50% charge in 2.5 hours

9 BT-E8035-L

Integrated Type Battery for Down Tube (504 Wh)

- Same appearance of BT-E8036
- Voltage: 36 V
- Capacity: 17.5 (Ah) / 504 (Wh)
- 80% charge in 2.5 hours

9 BT-E8016

Battery for Down Tube (630 Wh)

- Compact and low-center of gravity
- Voltage: 36 V
- Capacity: 17.5 (Ah), 630 (Wh)
- 50% charge 2.5 hours

9 BM-E8030

Integrated Down Tube Battery Mount With Key Unit Mount



SHIMANO STEPS
EP800 NEW PRODUCTS



DU-EP800

DU-EP800 NEW

Drive Unit

- Pure trail focus
 - » Natural and refined assist delivery from a lighter, quieter, and more compact motor with less pedaling drag
- Evolved MTB performance
 - » 20% more cruising range
 - » Reduced heat buildup
- Multiple applications
 - » Same frame mount as DU-E8000/DU-7000
 - » Compatible with mechanical 12/11/10/9-speed, DI2 11-speed and FC-M8150 serration
 - » Compatible with 11/8/7/5-speed IHG
- Maximum torque: 85 N·m
- Weight: 2,500 g



DC-EP800-A



DC-EP800-B

DC-EP800-A NEW

Drive Unit Cover (Mount Bolt Exposed Type)

DC-EP800-B NEW

Drive Unit Cover (Mount Bolt Covered Type)

- Aggressive MTB riding design
 - » Specially made for EP800 e-bike drive systems



DC-EP800-G

DC-EP800-G NEW

Drive Unit Guard

- Aggressive MTB riding design
 - » Specially made for EP800 e-bike drive systems
 - » Protects against dirt, shock and scratches



FC-M8150



FC-EM900



FC-EM600

FC-M8150 **NEW**

HOLLOWTECH E-MTB Crank Arm Set

- New dedicated e-bike cranks integrate more cleanly with SHIMANO DEORE XT logo
 - » 24 mm bottom bracket spindle
 - » Crank arm length (mm): 160, 165, 170, 175

FC-EM900 **NEW**

E-bike HOLLOWTECH Crank Arm Set

- E-MTB dedicated cranks integrate more cleanly
 - » Stiff and lightweight hollow forged crank maximizes power transfer while limiting weight
 - » 24 mm bottom bracket spindle
 - » Crank arm length (mm): 160, 165, 170, 175

FC-EM600 **NEW**

E-bike Crank Arm Set

- Aggressive MTB riding design
 - » 24 mm bottom bracket spindle
 - » Crank arm length (mm): 160, 165, 170, 175



SM-CRE80-12-SB



SM-CRE80-12-SB **NEW**

Chainring for E-MTB

- DYNAMIC CHAIN ENGAGEMENT+ with teeth shape to prevent chain drop
 - » O.L.D. 157 mm compatible
 - » Chainline 56.5 mm
 - » W/o chain guard type only
 - » Chaining teeth: 34T, 36T



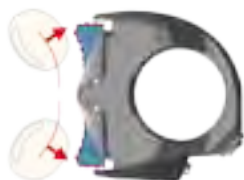
CD-EM800

CD-EM800 **NEW**

Chain Device

- Ensures drivetrain stability
- Clean and compact design
- Compatible with 53 mm & 56.5 mm chainline
 - » Precise adjustment mechanism on guide
- Lightweight (-20g compared with SM-CDE80)
- Compatible top gear tooth: 38T, 36T, 34T

<Improved ergonomics>



SW-EM800-L



SW-EM800-L



SW-E7000-L

SW-EM800-L **NEW**

Left Switch Unit for Assist

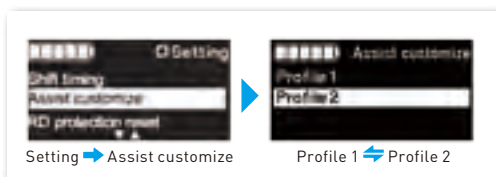
- Improved ergonomics
 - » Concave button shape with wider input area improves comfort and control
 - » Easier to access and push shift buttons
- Clean cockpit area
- Compatible with removable new electric cable SD300
- Compatible with SL-MT800-IL

SHIMANO STEPS
EP800 NEW PRODUCTS

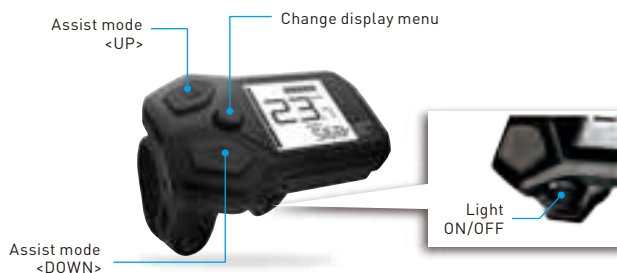


SC-EM800

SHIMANO D-FLY Bluetooth ANT



SC-E5003



SC-EM800 **NEW**

Wireless Cycle Computer

- Compact and low-profile MTB design
- Select profile and assist modes on display
 - » Rider-customizable modes with E-TUBE
- Versatile placement
 - » Interchangeable electric cable compatible with 30 mm rise handlebars
- Removable electric wire (SD300 type)
- Refined wireless communication
 - » E-TUBE PROJECT wireless communication via smart phone/tablet
 - » ANT private wireless communication with 3rd party cycle computers
- Compatible with narrower next-gen electric wire SD300

SC-E5003 **NEW**

Cycle Computer with Assist Switch (SD300 port)

- Unified switch and display
 - » Left hand operation for flat handlebar bike
 - Simple & compact menu display with monochrome font
 - » Assist mode select buttons (up/down)
 - » Light on/off button
 - » Change display menu button
 - » RANGE/DST/ODO
 - » GEAR > DI2 gear position
 - SD300 port specification
 - » AUTO > auto shifting
 - » ADJUST > adjust mode
 - » Walk assist function*
 - » No power on/off switch
- *need to use EW-AD305 together



BT-E8036



BT-E8035-L



BT-E8016

BT-E8036 **NEW**

Integrated Type Battery for Down Tube (630 Wh)

- Supports sleek frame design
 - » Same mount as current BT-E8035
 - High performance charging cycle
 - Voltage: 36 V
 - Capacity: 17.5 (Ah) / 630 (Wh)
 - Quick charging:
 - » 50% charge in 2.5 hours*
 - » Full charge in 6 hours*
- *When charged with EC-E8004
- Durable battery retains max. capacity longer
 - » >60% capacity after 1000 charges

BT-E8035-L **NEW**

Integrated Type Battery for Down Tube (504 Wh)

- Same appearance of BT-E8036
 - Supports sleek frame design
 - » Same mount as current BT-E8035
 - High performance charging cycle
 - Voltage: 36 V
 - Capacity: 17.5 (Ah) / 504 (Wh)
 - Quick charging:
 - » 80% charge in 2.5 hours*
 - » Full charge in 4 hours*
- *When charged with EC-E8004
- Durable battery retains max. capacity longer
 - » >60% capacity after 1000 charges

BT-E8016 **NEW**

Battery for Down Tube (630 Wh)

- Compact and low-center of gravity
 - Voltage: 36 V
 - Capacity: 17.5 (Ah), 630 (Wh)
 - Quick charging:
 - » 50% charge 2.5 hours*
 - » Full charge 6 hours*
- *When charged with EC-E8004
- Durable battery retains max. capacity longer
 - » >60% capacity after 1000 charges

BM-E8016 **NEW**

Battery Mount for Down Tube

- Designed for SHIMANO STEPS battery 630 Wh down tube type
- Also compatible with SHIMANO STEPS 418 Wh/504 Wh down tube battery

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

EW-SD300 NEW

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



EW-SD300

EW-SD300-I NEW

Electric Wire SD300 for Internal Routing

- More compact design makes new electric components smaller and lighter
- Will potentially expand the future capabilities of DI2 systems
- For internal routing usage (wire holder included)

EW-SS301 NEW

Disc Brake Speed Sensor (SD300 type)

- MTB dedicated design
 - » Designed to work with all brakes available for SHIMANO STEPS e-bike systems
 - » Compact, clean design
 - » For disc brake rotor magnet
 - » Updated with new electric wire SD300
 - » Wire length (mm): 760, 1400
 - » Without magnet set



EW-SS301



EW-SW300

EW-SW300 NEW

SD300 Satellite System On/Off Switch

- Compact, semi-integrated frame satellite switch
 - » Updated with new electric wire EW-SD300

EW-SS300 NEW

Chainstay Speed Sensor (SD300 type)

- Robust and durable platform for rough trails
- Compact, clean and low profile design
- More space for wider tires
- Chainstay mount (common mount of SM-DUE10)
- Updated with new electric wire SD300
- Wire length (mm): 340, 540, 760, 1400
- Spoke magnet set included



EW-SS300

ELECTRIC WIRE SD300 RELATED ACCESSORIES



EW-CB300-L



EW-CB300-M

EW-CB300-S

EW-CB300-L(ø35 mm) NEW**EW-CB300-M**(ø31.8 mm) NEW**EW-CB300-S**(ø22.2 mm) NEW

Electric Wire SD300 Cord Band



EW-GM300-M



EW-GM300-S

EW-GM300-M
(7 mmx8 mm Oval) NEW**EW-GM300-S**
(6 mm Circle) NEW

DI2 Grommet

EW-CL300-M(for Brake Hose (ø5 mm)) NEW**EW-CL300-S**(for SP Outer Cable (ø4 mm)) NEW

Electric Wire SD300 Cord Clip



EW-CL300-M



EW-CC300

EW-CC300 NEW

Electric Wire SD300 Cord Cover

- Cord cover length: 300 mm



EW-JC304



EW-JC302

EW-JC304 NEW

Internal 4-Port Junction for EW-SD300

EW-JC302 NEW

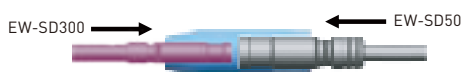
Internal 2-Port Junction for EW-SD300



EW-AD305

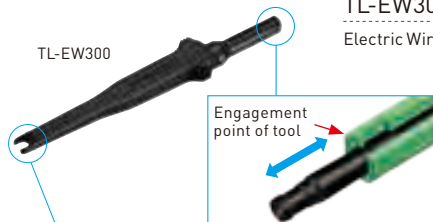
EW-AD305 NEW

Electric Wire SD300/SD50 Conversion Adaptor



EW-SD300

EW-SD50



TL-EW300

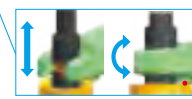
TL-EW300 NEW

Electric Wire SD300 Plug Tool



Engagement point of tool

Insert a cable into E-TUBE port until feeling a click



Tool engages with this groove



EW-SD300

SHIMANO STEPS
E8000/E7000 PRODUCTS



SHIMANO
STEPS | E8000

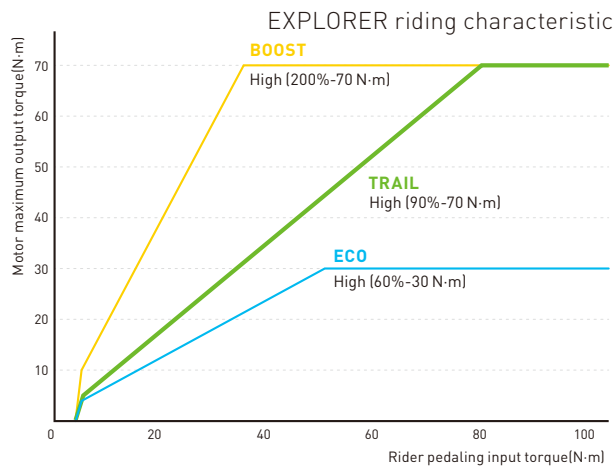
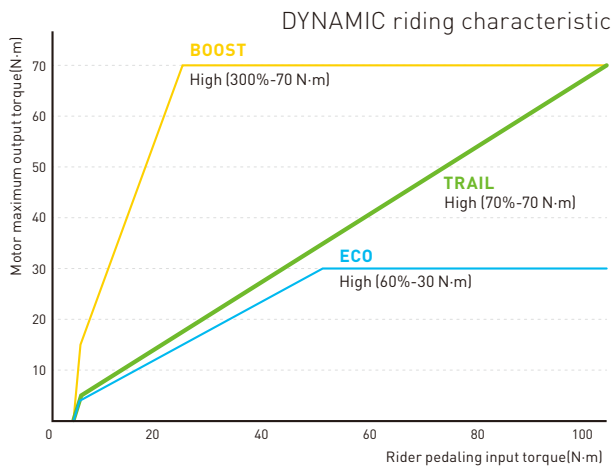


SHIMANO
STEPS | E7000

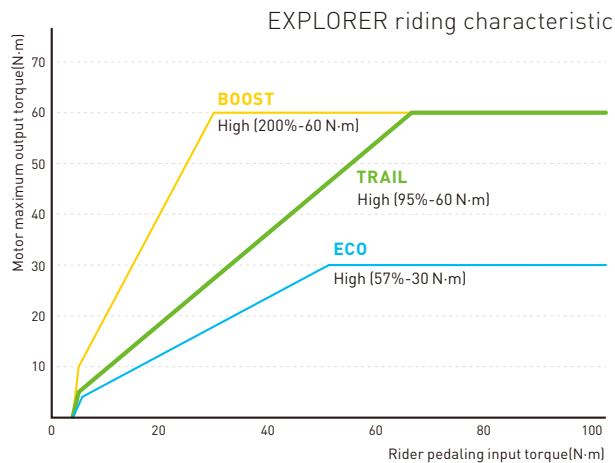
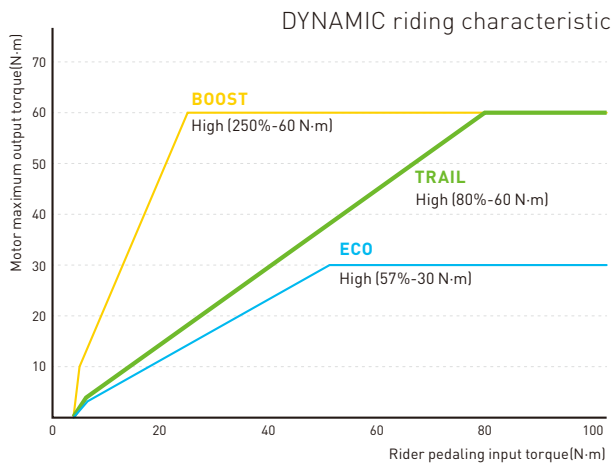
DRIVE UNIT OUTPUT FEATURE

Motor assist maximum torque/Rider pedaling input torque

E8000



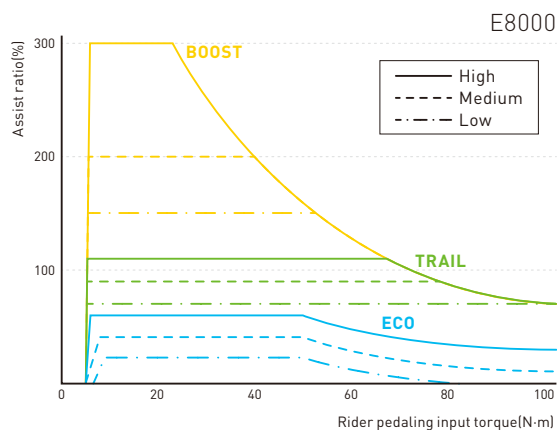
E7000



Assist characteristics variation and customization on E-TUBE PROJECT professional cyclist app

√=Yes *Choose one riding characteristic in this mode

Assist mode	Riding characteristic level (* Set by E-TUBE PROJECT)	E8000				E7000			
		Assist ratio	Riding Characteristic			Assist ratio	Riding Characteristic		
			Dynamic	Explorer	Customize		Dynamic	Explorer	Customize
BOOST	High	300% 70 N·m	√	-	-	250% 60 N·m	√	-	-
	Medium	200% 70 N·m	-	√	*√	200% 60 N·m	-	√	*√
	Low	150% 70 N·m	-	-	-	150% 60 N·m	-	-	-
TRAIL	High	110% 70 N·m	-	-	-	110% 60 N·m	-	-	-
	Medium	90% 70 N·m	-	√	*√	95% 60 N·m	-	√	*√
	Low	70% 70 N·m	√	-	-	80% 60 N·m	√	-	-
ECO	High	60% 30 N·m	√	√	-	57% 30 N·m	√	√	-
	Medium	40% 30 N·m	-	-	*√	38% 30 N·m	-	-	*√
	Low	20% 30 N·m	-	-	-	19% 30 N·m	-	-	-



Technical Specifications

1 DU-E7000

Drive Unit for V-BRAKE, Disc Brake

- Compact and powerful
- Weight: 2.88 kg
- Nominal output: 250W
- Maximum torque: 60N·m
- Direct pedalling feel in on and off assist power



E7000

1 DU-E8000

Drive Unit for E-MTB V-BRAKE and Disc Brake

- Compact and powerful
- Weight: 2.88 kg
- Nominal output: 250W
- Maximum torque: 70N·m
- Short chain stay
- Direct pedalling feel in on and off assist power



E8000

2 SM-DUE80

Drive Unit Cover

- Standard cover to hide side cable routing
- Mounting bolts cover to hide side cables and drive unit mounting bolts



3 FC-E8050/FC-E8000

HOLLOWTECH MTB E-bike Crankset/MTB E-bike Crankset

- FC-E8050/hollow crank arm
- FC-E8000/solid crank arm
- Optimized for e-MTB
- Crank arm length: 165 mm, 170 mm, 175 mm



3 FC-M8050

HOLLOWTECH MTB E-bike Crank Arm Set

- e-MTB dedicated crank set
- Shorter 165 mm crank arm length

4 SM-CRE80-12-B

E-MTB Chainring 12-speed

- DYNAMIC CHAIN ENGAGEMENT+ with teeth shape to prevent chain drop
- Chainline 53 mm
- W/o chain guard type only
- Chainring teeth: 34T, 36T, 38T

4 SM-CRE70-12-B

Chainring

- Chainline 53 mm
- Chainring teeth: 36T
- W/o chain guard type

4 SM-CRE70-12

Chainring

- Chainline 50 mm
- Chainring teeth: 42T
- Double chain guard type



4 CD-EM800**Chain Device**

- Ensures drivetrain stability
- Clean and compact design
- Compatible with 53 mm & 56.5 mm chainline
 - » Precise adjustment mechanism on guide
- Compatible top gear tooth: 38T, 36T, 34T

**4 SM-CDE70****Chain Device**

- Support stable riding performance
- Compatible with SM-CDE80
 - » Change material of plate

5 SW-E7000**Left Switch Unit for Assist/ Right Switch Unit for SEIS Shift**

- Simple intuitive operation with clearly defined pressure points
- Small, compact and slim on the handlebars
- SW-E7000-L: control of support levels
- SW-E7000-R: operation of the gear shift (DI2)

**5 SW-E8000-L****Left Switch Unit for Assist**

- Intuitive operation of the support levels
- Clearly defined click feeling
- Activation of the walk assist mode*

**6 SC-E7000****Wireless Cycle Computer**

- Bluetooth LE/ANT private
- 3.5 cm (1.39 inch) monochrome display
- Outstanding readability
- Attaches to the handlebar
- Wide range of cycle computer functions

**6 SC-E8000****Wireless Cycle Computer**

- Bluetooth LE/ANT private
- 4 cm (1.6 inch) LCD colour display
- Colour display of the support level
- Gear indicator with DI2
- Attaches to the handlebar
- Wide range of cycle computer functions

**7 BT-E8010/BT-E8014****Battery for Down Tube (504 Wh) / (418 Wh)**

- MTB-dedicated design, low profile, impact and vibration resistant and waterproof
- High capacity with superb range and 504Wh capacity
- Battery specifications:
Charging: 80% after 2,5hrs/5hrs from 0 to 100% (504Wh)
Integrated version (BT-E8020) available

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

- High level of water-resistant performance (IPX5)
- More compact size
- Improved usability of double ratchet removal
- Capacity: 504Wh (36 V, 14 Ah)

7 BT-E8020/BM-E8020**Integrated Type Battery for Down Tube (504 Wh)/Integrated Down Tube Battery Mount**

- Battery + battery holder (not illustrated)
- Powerful 504Wh battery

6

5



Drive unit, Drive unit cover, Drive unit guard

EP8 NEW

EP800 series



DU-EP800
Drive Unit



DC-EP800-A
Drive Unit Cover
(Mount Bolt Exposed Type)



DC-EP800-B
Drive Unit Cover
(Mount Bolt Covered Type)



DC-EP800-G
Drive Unit Guard



E8000 series



DU-E8000
Drive Unit for E-MTB V-BRAKE and
Disc Brake



SM-DUE80-A
Drive Unit Cover



SM-DUE80-B
Drive Unit Cover Mount
Bolt Exposed

E7000 series



DU-E7000
Drive Unit for V-BRAKE, Disc Brake




SM-DUE70-A
Drive Unit Cover



SM-DUE70-B
Drive Unit Cover Mount
Bolt Exposed

Drive unit

v=Yes

		NEW		
Model no.		DU-EP800	DU-E8000	DU-E7000
Output characteristics		MTB	MTB	MTB
Maximum rated power (Watt)		250	250	250
Maximum torque (Nm)		85	70	60
Maximum power output (W)		500 W	500 W	500 W
Compatible brake type		Disc brake	Disc brake, V-BRAKE	Disc brake, V-BRAKE
Compatible BB type		24 mm axle serration	24 mm axle serration	24 mm axle serration
Cable connector		Left side	Left side	Right side
Drive unit chain device		CD-EM800 SM-CDE80/70	CD-EM800 SM-CDE80/70	CD-EM800 SM-CDE80/70
Chain case		-	-	-
Drive unit cover design		DU-EP800-A/B	E8000 (SM-DUE80A/B)	E7000 (SM-DUE70A/B)
Chainline (mm)		50/53/56.5 mm	50/53 mm	50/53 mm
Q-factor		177 mm	177 mm	180 mm
 compatible	INTER-11	√	-	-
	INTER-8	√ Automatic available	-	-
	INTER-7	-	-	-
	INTER-5	√ Automatic available	-	-
	Derailleur type	√	√	√
Maximum support bike speed	25 km/h	√	√	√
	20 mph	√	√	√
	Adjustable (15 km-25 km, 12-20 mph setting by E-TUBE PROJECT)	√	-	-
Assist mode		Boost, trail, eco	Boost, trail, eco	Boost, trail, eco
Walk assist function*	On/off (Set by E-TUBE PROJECT)	√	√	√
	Intelligent	√	√ (Only compatible with DI2)	√ (Only compatible with DI2)
Power supply for front light/rear light		DC 12 V	DC 6 V	DC 12 V
Maximum current supply front and rear light total (A)		2.0	2	2
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		EW-SS300/SS301	SM-DUE10/DUE11	SM-DUE10/DUE11
Cadence sensor		√	√	√
Weight (kg) w/o cover		2.6	2.88	2.88

Drive unit cover, Drive unit guard

v=Yes

		NEW	NEW	NEW				
Model no.		DC-EP800-A	DC-EP800-B	DC-EP800-G	SM-DUE80-A	SM-DUE80-B	SM-DUE70-A	SM-DUE70-B
Cover	Right	-	-	-	√	√	√	√
	Left	√	√	-	√	√	√	√
	Bottom	-	-	√	-	-	-	-
Available DU angle (deg.)		0 - 60	0 - 60	0 - 60	0 - 60	0 - 60	0 - 60	0 - 60
Note		-	-	-	Standard cover	Mount bolt cover	-	-

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

Cycle computer



NEW

SC-EM800
Wireless Cycle Computer



NEW

SC-E5003
Cycle Computer with Assist Switch
(SD300 port)

V=Yes

		NEW	NEW		
Model no.		SC-EM800	SC-E5003	SC-E8000	SC-E7000
Mount position	Center on handlebar	-	-	-	-
	Right on handlebar	-	-	√	√
	Others	√	*√	-	-
Wireless system		ANT private Bluetooth®LE	-	ANT private Bluetooth®LE	ANT private Bluetooth®LE
E-TUBE port		SD300 type (4 pcs)	SD300 type (1 pcs)	SD50 type (4 pcs)	SD50 type (4 pcs)
Electric wire removable		√	√	-	-
Back light		√	√	√	√
LCD size (inch)		1.6	1.4	1.6	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 on/off 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	√	√	√	√
	Estimated range	√	√	√	√
Range overview	√	-	-	-	

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



SC-E8000
Wireless Cycle Computer



SC-E7000
Wireless Cycle Computer



V=Yes

		NEW	NEW		
Model no.		SC-EM800	SC-E5003	SC-E8000	SC-E7000
Contents of display	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	-	-	-	-
	Eco cruising setting	-	-	-	-
	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	-	-	√	-
	Long distance mode on/off	-	-	-	-
	Riding characteristic change	-	-	-	-
Assist customize	√	-	-	-	
Language	English/german/dutch/ french/spanish/italian	English	English/german/dutch/ french/spanish/italian	English/german/dutch/ french/spanish/italian	
Average weight	41 g	39 g	41 g	32 g	
Note	2 spec of clamp band diameter 31.8 and 35.0 mm. * In case of DI2 ** In combination with assist mode switch	* Left on handlebar (normal specification and I-SPEC EV specification) ** Setting by E-TUBE PROJECT *** Drive unit setting by E-TUBE PROJECT	2 Spec of clamp band diameter: 31.8 and ø35.0 * In case of SEIS ** Option by E-TUBE PROJECT	* In case of SEIS ** Option by E-TUBE PROJECT	

Switch unit, Shifting switch



NEW

SW-EM800-L
Left Switch Unit for Assist



SW-E8000-L
Left Switch Unit for Assist



SW-E7000-L
Left Switch Unit for Assist

SW-E7000-R
Right Switch Unit for SEIS Shift



SEIS
SERVO ELECTRONIC INTEGRATED SYSTEM
FIREBOLT

SW-M8050-L
DI2 Left Shift Switch 11-speed



SEIS
SERVO ELECTRONIC INTEGRATED SYSTEM
FIREBOLT

SW-M8050-R
DI2 Right Shift Switch

Switch unit



√=Yes

NEW

Model no.		SW-EM800-L	SW-E8000-L	SW-E7000-L	SW-E7000-R
Switch type		-	FIREBOLT	-	-
Usage		For assist	For assist	For assist	For SEIS shift
Electric wire removable		√	-	-	-
Firmware update by E-TUBE PROJECT		√	√	√	√
Electric wire port	SD50 type (pc)	0	1	0	0
	SD300 type (pc)	1	0	0	0
Electric wire connector	SD50 type (pc)	0	0	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		24.5 g	93.2 g	** 23.9 g	** 23.9 g
Note		* Set by E-TUBE PROJECT	* By setting menu	* Set by E-TUBE PROJECT ** Cable length 700 mm spec. Cable length: 400 mm, 300 mm, 700 mm	* Available for rear derailleur ** Cable length 700 mm spec. Cable length: 400 mm, 300 mm, 700 mm

Shifting switch

√=Yes

Series			
Model no.		SW-M8050-R	SW-M8050-L
Switch type		FIREBOLT	FIREBOLT
Position		Clamp band, right	Clamp band, left
Compatible electric wire		EW-SD50	EW-SD50
Switch QTY		2	2
SD50 port (pcs)		1	1
SD300 port (pcs)		0	0
SD50 connector (pcs)		0	0
SD300 connector (pcs)		0	0
Multiple input	2 step	-	-
	Hold	√	-(√)
Rear derailleur switch		√	√
Suspension switch		-	-(√)
Mount position adjust		√	√
Master unit		-	-
Firmware update by E-TUBE PROJECT		√	√
Average weight		93 g/pc	93 g/pc
Note			* User can use it for rear derailleur multishift ** User can use it for suspension control

Crank arm



NEW

FC-M8150
HOLLOWTECH E-MTB Crank Arm Set



NEW

FC-EM900
E-bike HOLLOWTECH Crank Arm Set



NEW

FC-EM600
E-bike Crank Arm Set



FC-M8050
HOLLOWTECH MTB E-bike Crank Arm Set



FC-E8050
HOLLOWTECH MTB E-bike Crankset



FC-E8000
MTB E-bike Crankset

Crank arm

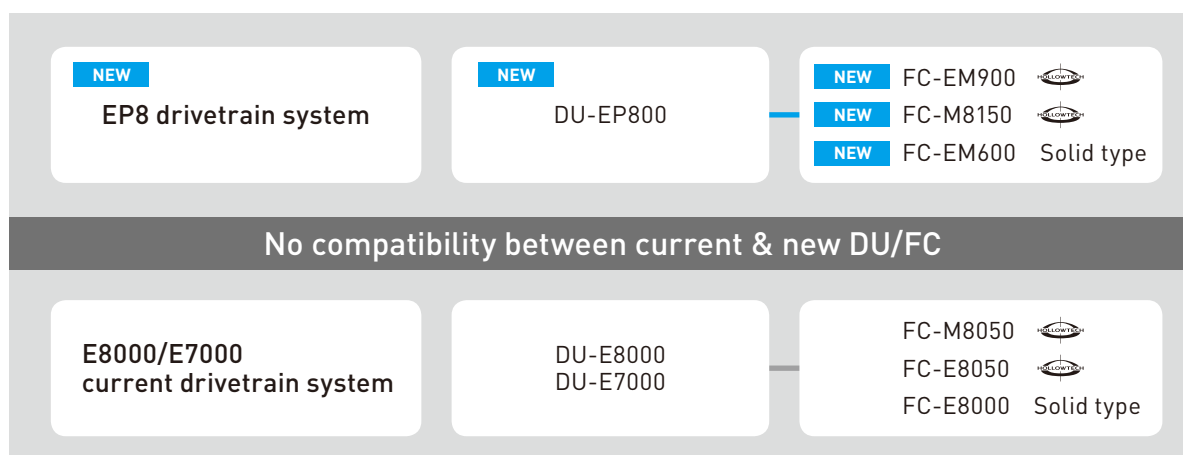
v=Yes

		NEW	NEW	NEW
Brand			SHIMANO	SHIMANO
Model no.		FC-M8150	FC-EM900	FC-EM600
Crank arm type		√	√	-
	Solid	-	-	√
Q factor (mm)		177 (DU-EP800)	177 (DU-EP800)	177 (DU-EP800)
BB type		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		EP800	EP800	EP800
Note		-		

v=Yes

		NEW	NEW	NEW
Brand			SHIMANO	SHIMANO
Model no.		FC-M8050	FC-E8050	FC-E8000
Crank arm type		√	√	-
	Solid	-	-	√
Q factor (mm)		177, 180*	177, 180*	177, 180*
BB type		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		E8000/E7000/E6100/E6110	E8000/E7000/E6100/E6110	E8000/E7000/E6100/E6110
Note		* In case with DU-E6100/ E6110/E6180/E7000	* In case with DU-E6100/ E6110/E6180/E7000	* In case with DU-E6100/ E6110/E6180/E7000

E-bike crank arm and drive unit compatibility



Chain device, Chainring



NEW
CD-EM80
Chain Device



SM-CDE80
Chain Device



SM-CDE70
Chain Device



NEW
SM-CRE80-12-SB
Chainring for E-MTB
(34T)



SM-CRE80-12-B
Chainring for E-MTB
(34T)



SM-CRE70-12
Chainring (42T)



SM-CRE80
Chainring (44T)


Chain device

√=Yes

Model no.		CD-EM800	SM-CDE80	SM-CDE70
Chainline (mm)	56.5	√	-	-
	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	√	√	√
Assumed rear sprocket teeth	11-36T	-	√	√
	11-40T	-	√	√
	11-42T	-	√	√
	11-46T	-	√	√
	10-45T	√	√	√
	10-51T	√	√	√
	Others	-	-	-
Direct mount to drive unit		√	√ (w/ plate type) - (w/o plate type)	√
Compatible drive unit		DU-EP800 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
Note		w/ plate *with SM-CRE80-B 53.0 mm chainline	w/ plate, w/o plate type are available	w/ plate

Chainring

√=Yes

Speed		12-speed				10/11-speed			9/10/11-speed	
Model no.	SM-CRE80-12-SB	SM-CRE80-12-B	SM-CRE70-12-B	SM-CRE70-12	SM-CRE80-B	SM-CRE80-R	SM-CRE80	SM-CRE70	SM-CRE70-B	
Chainline	56.5 mm	√	-	-	-	-	-	-	-	
	53 mm	-	√	√	-	√	-	-	√	
	50 mm	-	-	-	√	-	√	√	-	
	46.5 mm	-	-	-	-	-	-	-	-	
Chainring teeth	34T	√	√	-	-	√	-	√	√	
	36T	√	√	√	-	-	-	-	-	
	38T	-	√	-	-	√	-	√	-	
	42T	-	-	-	√	-	-	-	-	
	44T	-	-	-	-	-	-	√	-	
	47T	-	-	-	-	-	√	-	-	
	√	√	-	-	√	-	√ (38T, 34T)	-	-	
Chainring material	Steel	Steel	Steel	Steel	Steel	Aluminum	Steel	Steel	Steel	
Chain guard type	Double	-	-	-	√	-	-	√*	√	
	Single	-	-	-	-	-	-	-	-	
	w/o CG	√	√	√	-	√	√	√	√	
Chain device compatible	√	√	√	-	√	SM-CDE80 (frame mount)	√	√ w/o CG, w/o back plate	√	
Chain case compatible	-	-	-	-	-	-	-	-	-	
Note	Compatible chain CN-M9100 CN-M8100 CN-M7100 CN-M6100	Compatible chain CN-M9100 CN-M8100 CN-M7100	Compatible chain CN-M9100 CN-M8100 CN-M7100	Compatible chain CN-M9100 CN-M8100 CN-M7100		Compatible chain CN-HG901-11 CN-HG701-11 CN-HG601-11 CN-E8000-11 CN-E6090-10 CN-E6070-10	* 44T only	Compatible chain CN-HG901-11 CN-HG701-11 CN-HG601-11 CN-E8000-11 CN-E6090-10 CN-E6070-9	Compatible chain CN-HG901-11 CN-HG701-11 CN-HG601-11 CN-E8000-11 CN-E6090-10 CN-E6070-9	



City & Trekking

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.

SHIMANO STEPS
E6100/E5000 PRODUCTS



SHIMANO STEPS | E6100

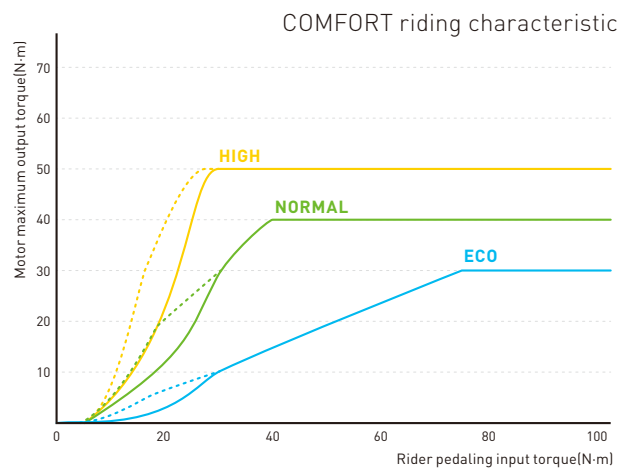
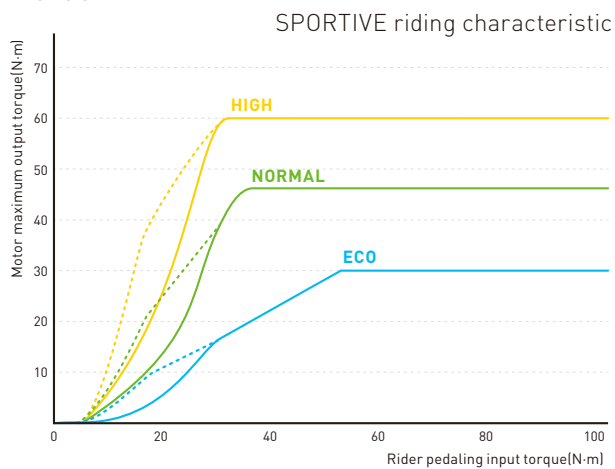


SHIMANO STEPS | E5000

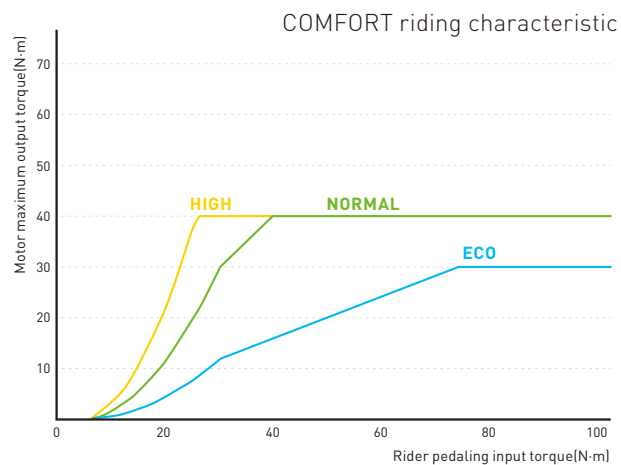
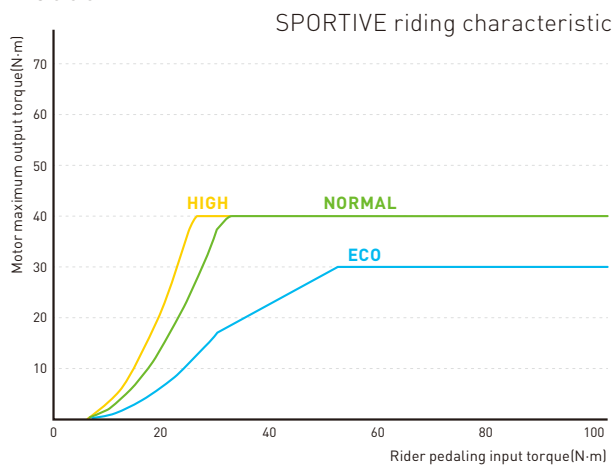
DRIVE UNIT OUTPUT FEATURE

Motor assist maximum torque/Rider pedaling input torque

E6100



E5000



Assist characteristics variation set by E-TUBE PROJECT application

Model		E6100		E5000	
Riding characteristic level (* Set by E-TUBE PROJECT)		Sportive	Comfort	NEW Sportive	Comfort
Maximum torque		60 N·m	50 N·m	40 N·m	40 N·m
Shifting system	INTER-5E	60 N·m	50 N·m	40 N·m	40 N·m
	IHG type [except INTER-5E]	50 N·m	50 N·m	40 N·m	40 N·m
	RD type	60 N·m	50 N·m	40 N·m	40 N·m
Assist mode	HIGH	200%	200%	200%	200%
	NORMAL	125%	100%	125%	100%
	ECO	60%	40%	60%	40%

Technical Specifications

1 DU-E5000

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

- Nominal output: 250W
- Maximum torque: 40N·m
- Optimized pedalling efficiency
- Weight: 2.38 kg
- Standard includes:
 - » Walk assist*
 - » Start mode (when using DI2 hub)
 - » Full automatic shifting (when using DI2 hub)



1 DU-E6100/E6110

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

- Nominal output: 250W
- Maximum torque: 50N·m, sportive 60N·m
- Optimized pedalling efficiency
- Weight: 2.76 kg
- Standard includes:
 - » Walk assist*
 - » Start mode (when using DI2 hub)
 - » Full automatic shifting (when using DI2 hub)



2 SM-CRE50

Chaining

- 38T or 44T chainrings
- Chain guard type: Double/Single/ w/o CG

2 SM-CRE61

Chaining

- 38T or 44T chainrings
- Chain guard type: Double/Single/ w/o CG
- Available in black and silver



3 FC-E5000

E-bike Crankset

- Available in black and silver
- 165, 170 or 175 mm length

3 FC-E6100

E-bike Crankset

- Available in black and silver
- 170 or 175 mm length



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

4 SW-E7000**Left Switch Unit for Assist/
Right Switch Unit for SEIS Shift**

- Simple intuitive operation with clearly defined pressure points
- Small, compact and slim on the handlebars
- SW-E7000-L: control of support levels
- SW-E7000-R: operation of the gear shift (DI2)

4 SW-E6010**Left Switch Unit for Assist**

- SW-E6010-L for operating of the support levels

Right Switch Unit for SEIS Shift

- SW-E6010-R for operating of the gear shift with DI2

5 SC-E6100**Wireless Cycle Computer**

- Large, easy-to-read display (2.7")
- Wireless connectivity to smartphone apps
- Extensive cycle computer functions
- Light button, ON/OFF button, Mode button

5 SC-E5000**Cycle Computer with Assist Switch**

- Unified switch and display
 - » Left hand operation for flat handlebar bike
- Simple & compact menu display with monochrome font
 - » Assist mode select buttons (up/down)
 - » Light on/off button
 - » Change display menu button
 - » No power on/off switch
- SD50 port specification

6 EW-EN100**Junction A for E-bike**

- Wirelessly connect your smartphone or 3rd party display from Garmin or Sigma

7 BT-E8020/BM-E8020**Integrated Type Battery for Down Tube (504 Wh)/Integrated Down Tube Battery Mount**

- Battery + battery holder (not illustrated)
- Powerful 504Wh battery

**8 BT-E6010/BT-E8010/
BT-E8014****Battery for Down Tube**

- Battery life: 60% capacity after 1000 charge cycles
- Powerful battery: BT-E6010: 418Wh
BT-E8010: 504Wh
BT-E8014: 418Wh

9 BT-E6000/BT-E6001**Battery for Rear Carrier**

- BT-E6000: 418Wh
- BT-E6001: 504Wh

10 SG-C7000/SG-C7050**E-bike Dedicated Mechanical Internal Geared Hub Coaster Brake 5-speed/E-bike Dedicated DI2 Internal Geared Hub Disc Brake 5-speed**

- Dedicated for e-bikes
- Able to handle the high combined torque of the rider and the e-bike system
- Maintenance free
- Specific gear ratio of 263%

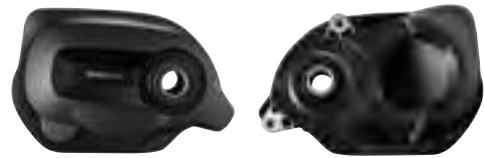


Drive unit, Drive unit cover

E6100 series



SM-DUE61-T
Drive Unit Cover for Trekking



SM-DUE61-C
Drive Unit Cover for City

DU-E6100
Drive Unit for V-BRAKE, Roller Brake, Disc Brake
DU-E6110
Drive Unit for Coaster Brake

E5000 series



SM-DUE50-T
Drive Unit Cover for Trekking



SM-DUE50-C
Drive Unit Cover for City

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

Drive unit

√=Yes

Model no.		DU-E6100	DU-E6110	DU-E5000
Output characteristics		City/Trekking	City/Trekking	City/Trekking
Maximum rated power (Watt)		250	250	250
Maximum torque (Nm)		60/50	60/50	40
Maximum power output (W)		500 W	500 W	420 W
Compatible brake type		V-BRAKE, roller brake, disc brake	Coaster brake	V-BRAKE, roller brake, disc brake, coaster brake
Compatible BB type		24 mm axle serration	24 mm axle serration	Square type
Cable connector		Right side	Right side	Left side
Drive unit chain device		-	-	-
Chain case		√	√	√
Drive unit cover design		E6100 (SM-DUE61-T/C)	E6100 (SM-DUE61-T/C)	E5000 E6100 (SM-DUE50-T/C)
Chainline (mm)		46.5/50/53 mm	46.5/50/53 mm	46.5 mm
Q-factor		180 mm	180 mm	185 mm
DI2 compatible	INTER-11	√	√	√
	INTER-8	√ Automatic available	√ Automatic available	√ Automatic available
	INTER-7	√	√	√
	INTER-5	√ Automatic available	√ Automatic available	√ Automatic available
	Derailleur type	√	-	√
Maximum support bike speed	25 km/h	√	√	√
	20 mph	√	√	√
	Adjustable (15 km-25 km, 12-20 mph setting by E-TUBE PROJECT)	√	√	√
Assist mode		High, normal, eco	High, normal, eco	High, normal, eco
Walk assist function*	On/off (Set by E-TUBE PROJECT)	√	√	√
	Intelligent	√ (Only compatible with DI2)	√ (Only compatible with DI2)	√ (Only compatible with DI2)
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	2	2
Safe way home function		√	√	√
Port for speed sensor (1 pc)		SD50 type	SD50 type	SD50 type
Torque sensor		√	√	√
Crank arm position sensor		√	√	-
Bike speed sensor		SM-DUE10/DUE11	SM-DUE10/DUE11	SM-DUE10/DUE11
Cadence sensor		√	√	-
Weight (kg) w/o cover		2.76	2.7	2.38

Drive unit cover

√=Yes

Model no.		SM-DUE61-T	SM-DUE61-C	SM-DUE50-T	SM-DUE50-C
Cover	Right	√	√	√	√
	Left	√	√	√	√
	Bottom	-	-	-	-
Available DU angle (deg.)		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
Wireless Cycle Computer



NEW
SC-E5000
Cycle Computer with Assist Switch

√=Yes

Model no.		SC-E6100	SC-E5000	EW-EN100
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 on/off 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	√	√	-
Estimated range	√	√	-	
Range overview	√	-	-	

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



SC-E5000

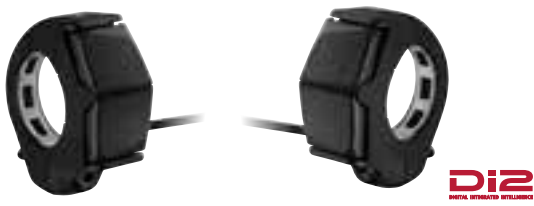
EW-EN100
Junction A for E-bike

v=Yes

NEW

Model no.		SC-E6100	SC-E5000	EW-EN100
Contents of display	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	√	-	-
	Eco cruising setting	-	-	-
	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	-	-	-
	Long distance mode on/off	-	-	-
	Riding characteristic change	-	-	-
Assist customize	-	-	-	
Language	English/german/dutch/ french/spanish/italian	English	-	
Average weight	110 g	40 g	6 g	
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-E6100
E-bike Crankset



FC-E5000
E-bike Crankset



FC-E5010
E-bike Crankset



SM-CRE61
Chainring (38T)



SM-CRE61
Chainring (38T)



SM-CRE61
Chainring (38T)



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		* Set by E-TUBE PROJECT ** Cable length 700 mm spec. Cable length: 400 mm, 300 mm, 700 mm	* Available for rear derailleur ** Cable length 700 mm spec. Cable length: 400 mm, 300 mm, 700 mm	* By setting menu	** Available for rear derailleur

Crank arm

√=Yes

Brand		SHIMANO	SHIMANO	SHIMANO
Model no.		FC-E6100	FC-E5000	FC-E5010
Crank arm type		-	-	-
	Solid	√	√	√
Q factor (mm)		180	185	185
BB type		24 mm axle serration	Square type	Square type
Crank arm length (mm)	160 mm	-	-	-
	165 mm	-	√	√
	170 mm	√	√	√
	175 mm	√	√	√
Color		Silver/Black	Silver	Standard
Note				

Chainring

√=Yes

Speed		9/10/11-speed	
Model no.		SM-CRE61	SM-CRE50
Chainline (mm)	53	-	-
	50	-	-
	46.5	√	√
Chainring teeth	34T	-	-
	36T	-	-
	38T	√	√
	42T	-	-
	44T	√	√
	47T	-	-
		-	-
Chainring material		Steel	Steel
Chain guard type	Double	√	√
	Single	√	√
	w/o CG	√	√
Chain device compatible		-	-
Chain case compatible		√	√
Note			

Internal geared hub spec



NEW

SG-C7002-5CD
E-bike Dedicated Internal Geared Hub



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

v=Yes

NEW

SUMOMO
Nexus

Series										
Model no.		SG-C7002-5CD	SG-C7000-5V	SG-C7000-5R	SG-C7000-5C	SG-C7000-5D	SG-C7050-5V	SG-C7050-5R	SG-C7050-5C	SG-C7050-5D
Function name		INTER-5E	INTER-5E	INTER-5E	INTER-5E	INTER-5E	INTER-5E	INTER-5E	INTER-5E	INTER-5E
Color	1	Silver	Silver	Silver	Silver	Silver	Silver	Silver	Silver	Silver
	2	Black	Black	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	INTER-M	Coaster brake	CENTER LOCK disc brake
	Recommended model	BR-M6100 BR-MT420	-	BR-C6000 BR-C3010 BR-C3000	-	-	-	BR-C6000 BR-C3010 BR-C3000	-	-
Speeds		5	5	5	5	5	5	5	5	5
Gear ratio	Total	263%	263%	263%	263%	263%	263%	263%	263%	263%
	1	1	1	1	1	1	1	1	1	1
	2	1.277	1.277	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	1.622	1.622
	4	2.07	2.07	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	2.63	2.63
	6	-	-	-	-	-	-	-	-	-
	7	-	-	-	-	-	-	-	-	-
	8	-	-	-	-	-	-	-	-	-
	9	-	-	-	-	-	-	-	-	-
	10	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	
Shifting structure		Top normal	Top normal	Top normal	Top normal	Top normal	DI2	DI2	DI2	DI2
Silent clutch		√	√	√	√	√	√	√	√	√
Gear change support mechanism		√	√	√	√	√	√	√	√	√
Shifting POWER MODULATOR		√	√	√	√	√	√	√	√	√
Driving efficiency		High	High	High	High	High	High	High	High	High
w/ left hand dust cap		-	√	-	-	-	√	-	-	-
O.L.D. (mm)		135	135	135	135	135	135	135	135	135
Spoke size		#13/#14	#13/#14	#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	58.3	58.3	57.3
Flange diameter (mm)		105.2	105.2	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	3.2	3.2
	Left	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Offset (mm)		4	3.2	3.2	3.7	3.2	3.7	3.7	3.7	3.2
P.C.D left/right. (mm)		92.6	92.6	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	1,970 g	1,670 g
Note			-	-	-	-				

Shifting lever, Motor unit, Cassette sprocket



SL-C7000-5
REVOSHIFT Shift Lever for INTER-5E Hub



MU-UR500
Motor Unit



CS-C7000
Single Sprocket for E-bike
(27T)

Shifting lever

√=Yes

Model no.		SL-C7000-5
Color	1	Silver
	2	Black
	3	-
Shifter type		REVOSHIFT
Top-Normal		√
Front speeds		-
Rear speeds		5
Compatible rear derailleur/internal geared hub type		NEXUS INTER-5E
Compatible front derailleur type		-
Shifting lever position adjust		-
Shifting lever 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		-
Shifting lever cable	Material	Stainless steel
	Finish	-
Recommended shifting lever outer casing		OT-SP41
Clamping diameter (mm)		22.2
Average weight		-
Note		w/ rubber bellows spec. is available

Motor unit

√=Yes

Model no.		MU-UR500
Color	1	Standard
	2	-
	3	-
Compatible internal geared hub		SG-S705 SG-S7051 SG-C6060 SG-C6061 SG-C7050
Compatible speed		11/8/5-speed
Master unit		-
Firmware update by E-TUBE PROJECT		√
SD50 port (pcs)		1
SD300 port (pcs)		0
SD50 connector (pcs)		0
SD300 connector (pcs)		0
Note		-

Cassette sprocket

√=Yes

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

Battery



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



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



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



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



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



BT-E8010
 Battery for Down Tube
 (504 Wh)



BT-E8014
 Battery for Down Tube
 (418 Wh)



BT-E6010
 Battery for Down Tube
 (418 Wh)



BT-E6001
 Battery for Rear Carrier
 (504 Wh)



BT-E6000
 Battery for Rear Carrier
 (418 Wh)

Battery

√=Yes

Model no.		NEW BT-E8036	BT-E8035	NEW BT-E8035-L	BT-E8020	NEW BT-E8016
Compatible drive unit	EP800	√	√	√	√	√
	E8000/E7000	√	√	√	√	√
	E6100/E5000	√	√	√	√	√
Rated capacity (Wh)	630 Wh	√	-	-	-	√
	504 Wh	-	√	√	√	-
	418 Wh	-	-	-	-	-
Rated voltage		36	36	36	36	36
Mount type	Down tube type	-	-	-	-	-
	Integrated type	√	√	√	√	-
	Rear carrier type	-	-	-	-	-
	External type	-	-	-	-	√
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
Charge level display		√	√	√	√	√
Error signal		√	√	√	√	√
Charging port		*-	*-	*-	√	√
System on/off switch		√	√	√	√	√
Compatible charger		EC-E6000 EC-E6000-3 (for Japan) EC-E6002 EC-E8004	EC-E6000 EC-E6002 EC-E8004	EC-E6000 EC-E6000-3 (for Japan) EC-E6002 EC-E8004	EC-E6000 EC-E6002 EC-E8004	EC-E6000 EC-E6000-3 (for Japan) EC-E6002 EC-E8004
Average weight		3.7 kg	2.9 kg	3.15 kg	3.05 kg	3.5 kg

* with SM-BTE80 or EW-CP100

√=Yes

Model no.		BT-E8010	BT-E8014	BT-E6010	BT-E6001	BT-E6000
Compatible drive unit	EP800	√	√	√	-	-
	E8000/E7000	√	√	√	-	-
	E6100/E5000	√	√	√	√	√
Rated capacity (Wh)	630 Wh	-	-	-	-	-
	504 Wh	√	-	-	√	-
	418 Wh	-	√	√	-	√
Rated voltage		36	36	36	36	36
Mount type	Down tube type	√	√	√	-	-
	Integrated type	-	-	-	-	-
	Rear carrier type	-	-	-	√	√
	External type	-	-	-	-	-
Compatible battery mount		BM-E8010		BM-E6010	BM-E6000	
Charge level display		√	√	√	√	√
Error signal		√	√	√	√	√
Charging port		√	√	**-	**-	**-
System on/off switch		√	√	√	√	√
Compatible charger		EC-E6000 EC-E6002 EC-E8004	EC-E6000 EC-E6002 EC-E8004	EC-E6000 EC-E6002 EC-E8004	EC-E6000 EC-E6002 EC-E8004	EC-E6000 EC-E6002 EC-E8004
Average weight		2.6 kg	2.55 kg	2.65 kg	2.65 kg	2.58 kg

** with SM-BTE60

Battery mount

NEW

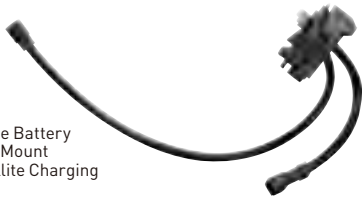
BM-E8016
Battery Mount for Down Tube



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



BM-E6010
Down Tube Battery Mount

Battery mount

√=Yes

NEW

Model no.		BM-E8016	BM-E8020	BM-E8030-A	BM-E8030-B	BM-E8031-A	BM-E8031-B
Color	1	Black	Black	Standard	Standard	Standard	Standard
	2	-	-	-	-	-	-
Position		Down tube/seat tube	Integrated	Integrated	Integrated	Integrated	Integrated
Key hole		-	√	√	√	-	-
Connect to EW-CP100		-	-	√	-	√	-
System on/off switch		-	-	-	-	-	-
Cable length to EW-CP100 (mm)		-	-	200	-	200	-
Compatible battery		BT-E8010 BT-E8014 BT-E8016	BT-E8020	BT-E8035	BT-E8035	BT-E8035	BT-E8035
Compatible tool		TL-BME02	TL-BME03	TL-BME04	TL-BME04	TL-BME04	TL-BME04

√=Yes

Model no.		BM-E6000-A	BM-E6000-B	BM-E6010
Color	1	Black	Black	Black
	2	Gray	Gray	-
Position		Rear carrier	Rear carrier	Down tube
Key hole		√	√	√
Connect to EW-CP100		-	-	-
System on/off switch		-	-	-
Cable length to EW-CP100 (mm)		-	-	-
Compatible battery		BT-E6000 BT-E6001	BT-E6000 BT-E6001	BT-E6010
Compatible tool		-	-	TL-BME01

Compatibility between SHIMANO STEPS battery and battery mount



Battery charger



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)

SM-BCC1

Battery Charger Cord

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

SM-BTE60

Battery Charger Adapter

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

SM-BTE80

Battery Charger Adapter

- Adapter for charging battery (BT-E8035) with charger (EC-E6000/E6002/E8004)

Charge Time

√=Yes

Model no.		EC-E8004	EC-E6002	EC-E6000
Equipped with battery 504Wh	Full charge	4.5h	7.5h	5h
	80% charge	2.5h	4h	2.5h
Equipped with battery 418Wh	Full charge	3.5h	6.5h	4h
	80% charge	2.0h	3.5h	2h
Compatible voltage		AC 100V-240V 50-60Hz	AC 100V-240V 50-62Hz	AC 100V-240V 50-61Hz
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	-
Built-in AC cable (m)		1 m/2 m	-	2 m
Size (mm) [LxWxH]		162x73x44	160x70x40	204x84x45
Average weight		550 g (target weight)	523 g	930 g



EC-E6002

Battery Charger

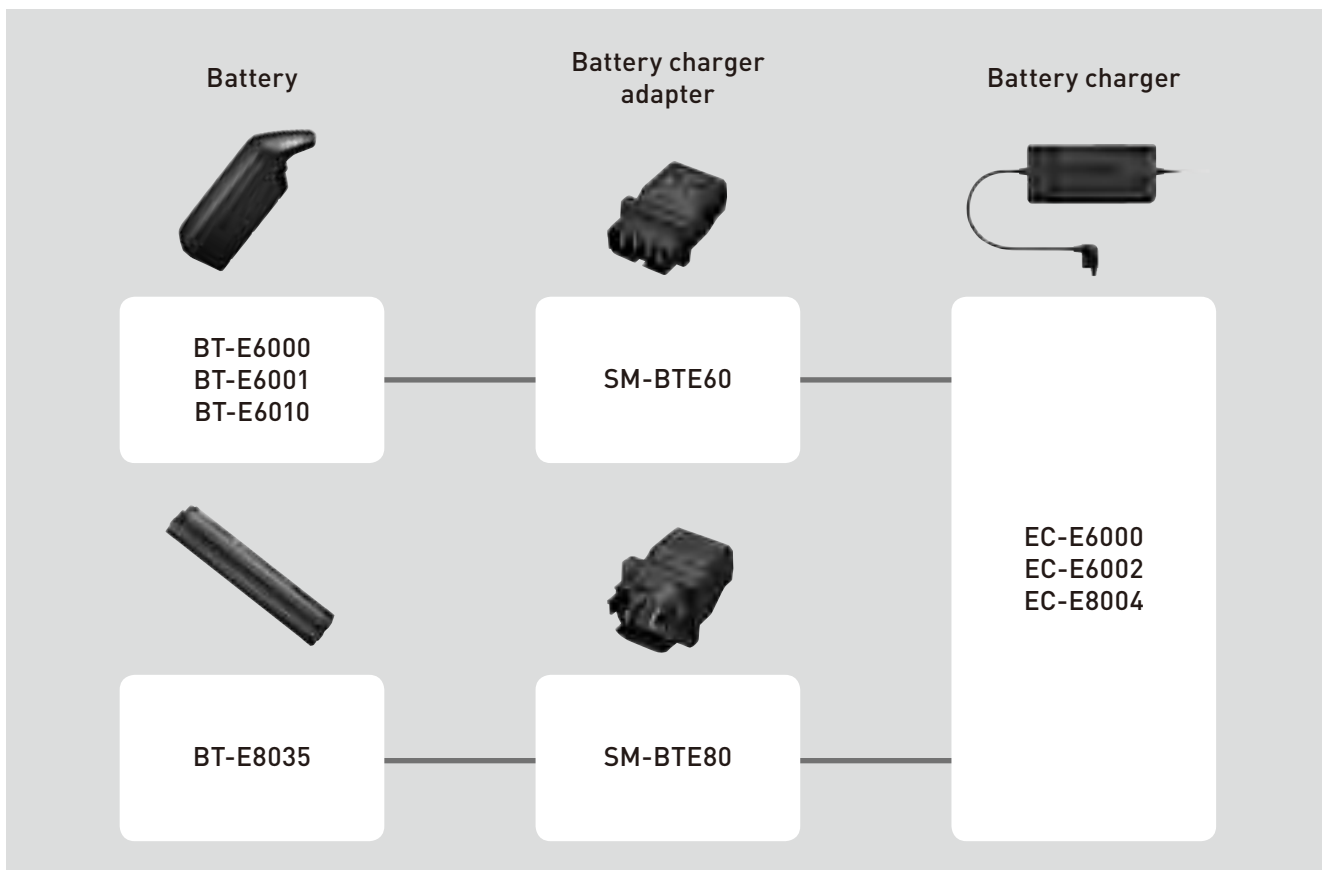
- Compact size & light weight for easy to bring
- Charge without removing battery
- Charge with battery directly
- Fast charging - rapid charge to 80% of total capacity
- Small connector



EC-E6000

Battery Charger

- Charge without removing battery
- Fast charging - rapid charge to 80% of total capacity
- Small connector



Battery charger

√=Yes

Model no.	EC-E8004-1	EC-E8004-2	EC-E8004-3	EC-E8004-4	EC-E8004-6	EC-E8004-7	EC-E8004-12	EC-E6000-1	EC-E6000-2	
Color	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	
Plug type	Type C	Type A	Type A	Type O	Type BF	Type C	Type C	Type C	Type A	
Typical example country/region	Europe	USA, Canada	Japan	Australia, New Zealand	UK	Korea	Brazil	Europe	USA, Canada	
Compatible battery	BT-E6000 BT-E6001 BT-E6010 BT-E8010 BT-E8014 BT-E8016 BT-E8020 BT-E8035 BT-E8035-L BT-E8036	BT-E6000 BT-E6001 BT-E6010 BT-E8010 BT-E8014 BT-E8016 BT-E8020 BT-E8035 BT-E8035-L BT-E8036	BT-E6010 BT-E8010 BT-E8016 BT-E8014 BT-E8035 BT-E8035-L BT-E8036	BT-E6000 BT-E6001 BT-E6010 BT-E8010 BT-E8014 BT-E8016 BT-E8020 BT-E8035 BT-E8035-L BT-E8036	BT-E6000 BT-E6001 BT-E6010 BT-E8010 BT-E8014 BT-E8016 BT-E8020 BT-E8035 BT-E8035-L BT-E8036	BT-E6000 BT-E6001 BT-E6010 BT-E8010 BT-E8014 BT-E8016 BT-E8020 BT-E8035 BT-E8035-L BT-E8036	BT-E6000 BT-E6001 BT-E6010 BT-E8010 BT-E8014 BT-E8016 BT-E8020 BT-E8035 BT-E8035-L BT-E8036	BT-E6000 BT-E6001 BT-E6010 BT-E8010 BT-E8014 BT-E8016 BT-E8020 BT-E8035 BT-E8035-L BT-E8036	BT-E6000 BT-E6001 BT-E6010 BT-E8010 BT-E8014 BT-E8016 BT-E8020 BT-E8035 BT-E8035-L BT-E8036	
Compatible voltage	100 V - 240 V AC, 50 - 60 Hz	120 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	100 V - 240 V AC, 50 - 60 Hz	
Output	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	40 V DC, 4.4 A 42 V DC, 4.0 A	40 V DC, 4.4 A 42 V DC, 4.0 A	
CE standard	√	-	-	-	√	-	-	√	-	
UL standard	-	√	-	-	-	-	-	-	√	
Korea standard	-	-	-	-	-	√	-	-	-	
Japan standard	-	-	√	-	-	-	-	-	-	
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)	4.8 (* 5.7)	5.5	5.5
	80% charge (hour)	3.2 (* 4)	4	4	3.2 (* 4)	3.2 (* 4)	3.2 (* 4)	3.2 (* 4)	3.2	3.2
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)	4 (* 4.5)	5	5
	80% charge (hour)	2.5 (* 3.2)	3.2	3.2	2.5 (* 3.2)	2.5 (* 3.2)	2.5 (* 3.2)	2.5 (* 3.2)	2.5	2.5
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)	3.0 (* 3.5)	4	4
	80% charge (hour)	2.0 (* 2.5)	2.5	2.5	2.0 (* 2.5)	2.0 (* 2.5)	2.0 (* 2.5)	2.0 (* 2.5)	2	2
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	-	-	-	-	-	-	-	-	-	
Built in AC cable	√	√	√	√	√	√	√	√	√	
Built in AC cable length (m)	2	2	1	1	1	1	1	2	2	
Note	* 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	* In case of 100 V AC ** Check latest line-up chart	* Check latest line-up chart	* Check latest line-up chart

v=Yes

Model no.	EC-E6000-3	EC-E6000-4	EC-E6000-6	EC-E6000-7	EC-E6000-9	EC-E6000-10	EC-E6000-12	EC-E6002
Color	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Plug type	Type A	Type O	Type BF	Type C	Type B3L	Type O	Type C	-
Typical example country/region	Japan	Australia, New Zealand	UK	Korea	South- Africa	Argentina	Brazil	Worldwide
Compatible battery	BT-E6010 BT-E8010 BT-E8016 BT-E8014 BT-E8035 BT-E8035-L BT-E8036	BT-E6000 BT-E6001 BT-E6010 BT-E8010 BT-E8014 BT-E8016 BT-E8020 BT-E8035 BT-E8035-L BT-E8036	BT-E6000 BT-E6001 BT-E6010 BT-E8010 BT-E8014 BT-E8016 BT-E8020 BT-E8035 BT-E8035-L BT-E8036	BT-E6000 BT-E6001 BT-E6010 BT-E8010 BT-E8014 BT-E8016 BT-E8020 BT-E8035 BT-E8035-L BT-E8036	BT-E6000 BT-E6001 BT-E6010 BT-E8010 BT-E8014 BT-E8016 BT-E8020 BT-E8035 BT-E8035-L BT-E8036	BT-E6000 BT-E6001 BT-E6010 BT-E8010 BT-E8014 BT-E8016 BT-E8020 BT-E8035 BT-E8035-L BT-E8036	BT-E6000 BT-E6001 BT-E6010 BT-E8010 BT-E8014 BT-E8016 BT-E8020 BT-E8035 BT-E8035-L BT-E8036	BT-E6000 BT-E6001 BT-E6010 BT-E8010 BT-E8014 BT-E8016 BT-E8020 BT-E8035 BT-E8035-L BT-E8036
Compatible voltage	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	100 V - 240 V AC, 50 - 60 Hz	100 V - 240 V AC, 50 - 60 Hz
Output	40 V DC, 4.4 A 42 V DC, 4.0 A	40 V DC, 4.4 A 42 V DC, 4.0 A	40 V DC, 4.4 A 42 V DC, 4.0 A	40 V DC, 4.4 A 42 V DC, 4.0 A	40 V DC, 4.4 A 42 V DC, 4.0 A	40 V DC, 4.4 A 42 V DC, 4.0 A	40 V DC, 4.4 A 42 V DC, 4.0 A	42 V DC, 1.8 A
CE standard	-	-	√	-	-	-	-	√
UL standard	-	-	-	-	-	-	-	√
Korea standard	-	-	-	√	-	-	-	√
Japan standard	√	-	-	-	-	-	-	√
Charging time for 630 Wh (583 Wh in Japan) battery	Full charge (hour)	5.5	5.5	5.5	5.5	5.5	5.5	10.2
	80% charge (hour)	3.2	3.2	3.2	3.2	3.2	3.2	7.5
Charging time for 504 Wh (464 Wh in Japan) battery	Full charge (hour)	5	5	5	5	5	5	7.5
	80% charge (hour)	2.5	2.5	2.5	2.5	2.5	2.5	4
Charging time for 418 Wh (393 Wh in Japan) battery	Full charge (hour)	4	4	4	4	4	4	6.5
	80% charge (hour)	2	2	2	2	2	2	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
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
Error signal	√	√	√	√	√	√	√	√
Adapter for battery connector	* -	* -	* -	* -	* -	* -	* -	* -
Compatible AC power cable	-	-	-	-	-	-	-	SM-BCC1
Built in AC cable	√	√	√	√	√	√	√	-
Built in AC cable length (m)	1	1	1	1	1	1	1	-
Note	* Check latest line-up chart	* Check latest line-up chart	* Check latest line-up chart	* Check latest line-up chart	* Check latest line-up chart	* Check latest line-up chart	* 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



NEW
EW-SW300
SD300 Satellite System On/Off Switch



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

√=Yes

		NEW	
Model no.		EW-SW300	EW-SW100
Position		Integrated	Integrated
Master unit		-	-
Switch QTY (pcs)		1	1
Electric wire connector	SD50 type (pc)	0	1
	SD300 type (pc)	1	0
Firmware update by E-TUBE PROJECT		√	√
Cable length (mm)		1,100	1100
Average weight		23 g	25 g
Note			

Electric wire SD50 & related accessories



EW-CP100

Satellite Charging Port for E-Bike

- Compact, semi-integrated frame charging port



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

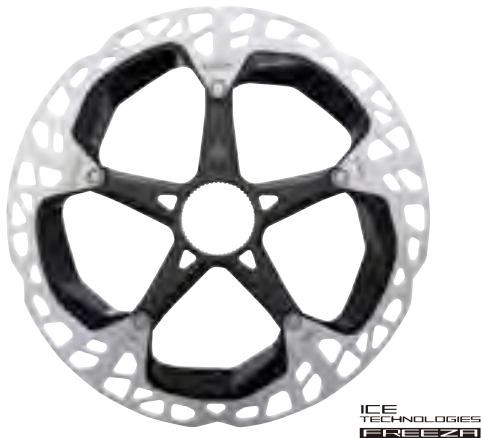


SM-PCE02

PC Linkage Device

- Faster and smaller than SM-PCE1
- Battery check option shows if a component's power consumption is within normal range
- Need adaptor (EW-AD305) to connect with new DU-EP800 which specs EW-SD300 electric wire

Disc brake rotor, Speed sensor unit



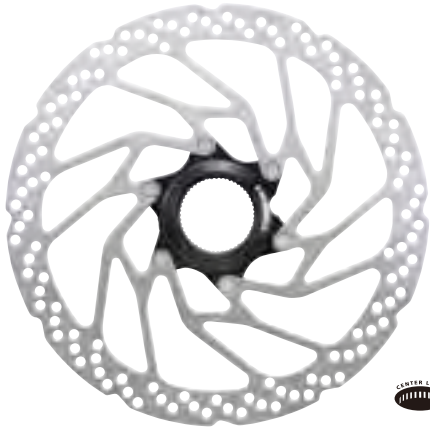
RT-EM910
 CENTER LOCK Disc Brake Rotor for E-bike
 Speed Sensor System (203 mm)



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



RT-EM600
 CENTER LOCK Disc Brake Rotor for E-bike
 Speed Sensor System (180 mm)



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



NEW
EW-SS300
 Chainstay Speed Sensor
 (SD300 type)



SM-DUE10
 Chainstay Speed Sensor
 (SD50 type)



NEW
EW-SS301
 Disc Brake Speed Sensor
 (SD300 type)



SM-DUE11
 Disc Brake Speed Sensor
 (SD50 type)

Disc brake rotor

√=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	-	-	-	
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							

Speed sensor unit

√=Yes

		NEW	NEW		
Series		SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.		EW-SS301	EW-SS300	SM-DUE11	SM-DUE10
Brake spec	Disc	√	√	√	√
	Rim	-	√	-	√
Color		Black	Black	Standard	Standard
Compatible drive unit		EP800	EP800	E8000/E7000 E6100/E6110 E5000	E8000/E7000 E6100/E6110 E5000
Cable length(mm)	340	-	√	-	√
	540	-	√	-	√
	760	√	√	√	-
	1400	√	√	-	√
Note		w/o magnet set	Spoke magnet set included	-	Spoke magnet set included

Chain



CN-M9100
12-Speed MTB Chain



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



CN-HG701-11
11-Speed Super Narrow
E-bike Chain



CN-HG601-11
11-Speed Super Narrow
Road Chain



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	11/12-speed	9/10/11-speed		
Type	HYPERGLIDE+	HG-X11	HG-X11	HG-X11
Outer link plate surface treatment	SIL-TEC	SIL-TEC	SIL-TEC	Gray
Inner link plate surface treatment	Chromizing	SIL-TEC	SIL-TEC	SIL-TEC
Directional design	√	√	√	√
Perforated ultra light plate	-	-	-	-
Chromizing treatment link pin	√	√	√	√
Hollow pin	√	-	-	-
Connecting pin	QUICK-LINK (SM-CN910-12)	QUICK-LINK (SM-CN900-11)	QUICK-LINK (SM-CN900-11)	QUICK-LINK (SM-CN900-11)
Weight (114 link)	242 g	257 g	257 g	257 g
Code no.	ICNM9100116Q ICNM9100126Q ICNM9100138Q	ICNE800011116Q ICNE800011126Q ICNE800011138Q	ICNHG70111126Q ICNHG70111138Q	ICNHG60111126Q ICNHG60111138Q
Replacement/remark	116 links 126 links 138 links	116 links 126 links 138 links	126 links 138 links	126 links 138 links

v=Yes

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

E-bike cycle computer compatibility with drive unit

Drive unit	Cycle computer		Cycle computer				Wireless unit
							
Electric wire port type	SD50 port	SD300 port	SD300 port	SD50 port	SD50 port	SD50 port	SD50 port
DU-E8000	●	●	●	●	●	●	●
DU-E5000 DU-E6100 DU-E7000	-	●	●	●	●	●	●
NEW DU-EP800	-	●	●	●	●	●	●

● : Must use with new EW-AD305 (conversion adaptor) together ● : System connected by current EW-SD50 ● : System connected by new EW-SD300

Recommended hydraulic disc brake system



BL-M9100
Hydraulic Disc Brake Lever
I-SPEC EV Clamp Band

I-SPEC EV



BR-M9100
Hydraulic Disc Brake
2-Piston Caliper



BL-M9120
Hydraulic Disc Brake Trail Lever
I-SPEC EV Clamp Band

I-SPEC EV

SERVO WAVE
ACTION



BR-M9120
Hydraulic Disc Brake
4-Piston Caliper



BL-M8100
Hydraulic Disc Brake Lever
I-SPEC EV Clamp Band

I-SPEC EV

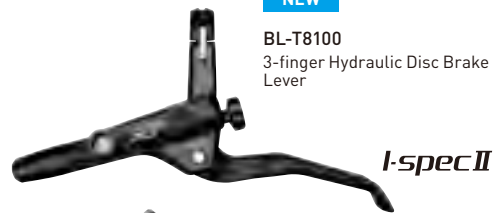
SERVO WAVE ACTION Reach Adjust Free Stroke



BR-M8100
Hydraulic Disc Brake
2-Piston Caliper



BR-M8110
Flat Mount Disc Brake Caliper



NEW

BL-T8100
3-finger Hydraulic Disc Brake
Lever

I-spec II



BR-M8120
Hydraulic Disc Brake
4-Piston Caliper



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

I-SPEC EV

SERVO WAVE ACTION Reach Adjust



BR-M7100
Hydraulic Disc Brake
2-Piston Caliper



BR-M7120
Hydraulic Disc Brake
4-Piston Caliper



BL-M6100
Hydraulic Disc Brake Lever
I-SPEC EV

I-SPEC EV

SERVO WAVE ACTION



BR-M6100
Hydraulic Disc Brake
Caliper 2-Piston



BR-M6120
Hydraulic Disc Brake
Caliper 4-Piston




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



BR-MT520
Hydraulic Disc Brake
4-Piston MTB Caliper


Recommended hydraulic disc brake system

√=Yes

Brand		XTR	XTR	SHIMANO DEORE XT	SHIMANO DEORE XT	SHIMANO DEORE XT	
Model no.		BL-M9100/BR-M9100	BL-M9120/BR-M9120	BL-M8100/BR-M8100	BL-M8100/BR-M8110	BL-M8100/BR-M8120	
Disc brake caliper related	High brake power SERVO WAVE	√	√	√	√	√	
	Piston type	2-piston	4-piston	2-piston	2-piston	4-piston	
	Braking power %	126%	146%	134%	134%	146%	
	Brake pad	Fin or not	w/o fin	w/o fin	w/o fin, w/ fin	w/o fin, w/ fin	w/o fin, w/ fin
		Material	Resin/metal	Resin/metal	Resin/metal	Resin/metal	Resin/metal
Brake lever related	Material	CFRP	Aluminum	Aluminum	Aluminum	Aluminum	
	Finger	2-finger	2-finger	2-finger	2-finger	2-finger	
	Technology	I-SPEC EV	I-SPEC EV	I-SPEC EV	I-SPEC EV	I-SPEC EV	
Oil bleeding	 ONE WAY BLEEDING	√	-	√	√	-	
	Funnel bleeding tool	√	√	√	√	√	


√=Yes

NEW







Brand		SHIMANO DEORE XT	SHIMANO DEORE XT	SLX	SLX	SHIMANO DEORE	
Model no.		BL-T8100/BR-M8100	BL-T8100/BR-M8120	BL-M7100/BR-M7100	BL-M7100/BR-M7120	BL-M6100/BR-M6100	
Disc brake caliper related	High brake power SERVO WAVE	-	-	√	√	√	
	Piston type	2-piston	4-piston	2-piston	4-piston	2-piston	
	Braking power %	115%	126%	134%	146%	122%	
	Brake pad	Fin or not	w/o fin, w/ fin	w/o fin, w/ fin	w/o fin, w/ fin	w/o fin, w/ fin	w/o fin, w/ fin
		Material	Resin/metal	Resin/metal	Resin/metal	Resin/metal	Resin/metal
Brake lever related	Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	
	Finger	3-finger	3-finger	2-finger	2-finger	2-finger	
	Technology	I-spec II	I-spec II	I-SPEC EV	I-SPEC EV	I-SPEC EV	
Oil bleeding	 ONE WAY BLEEDING	√	-	√	-	√	
	Funnel bleeding tool	√	√	√	√	√	

√=Yes











NEW

Brand		SHIMANO DEORE	SHIMANO	
Model no.		BL-M6100/BR-M6120	BL-MT501/BR-MT520	
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/o fin
		Material	Resin/metal	Resin/metal
Brake lever related	Material	Aluminum	Aluminum	
	Finger	2-finger	2-finger	
	Technology	I-SPEC EV	I-spec II	
Oil bleeding	 ONE WAY BLEEDING	√	√	
	Funnel bleeding tool	√	√	

Disc brake rotor

	Mount	E-bike design	Model no.	Technology	Disc brake rotor size	Lock ring spline type		5/6-Bolt	
						External	Internal		
	CENTER LOCK		RT-EM910		203 mm	IRTEM910LE	IRTEM910LI	-	
					180 mm	IRTEM910ME	IRTEM910MI	-	
					160 mm	IRTEM910SE	IRTEM910SI	-	
			RT-EM810		203 mm	IRTEM810LE	IRTEM810LI	-	
					180 mm	IRTEM810ME	IRTEM810MI	-	
					160 mm	IRTEM810SE	IRTEM810SI	-	
			RT-EM600		Standard	203 mm	ERTEM600LEC	ERTEM600LI3C	-
						180 mm	ERTEM600MEC	ERTEM600MI3C	-
						160 mm	ERTEM600SEC	ERTEM600SI3C	-
	RT-EM300	203 mm		ERTEM300L		ERTEM300L	-		
		180 mm		ERTEM300M		ERTEM300M	-		
		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	SM-CRE61	38T	With Double		ESMCRE61A8DG	Y0J138000
				With Single		ESMCRE61A8SG	
				Without	Black	ESMCRE61A8XL	
					Silver	ESMCRE61A8XS	
			44T	With Double		ESMCRE61B4DG	Y0J144000
				With Single		ESMCRE61B4SG	
	Without			ESMCRE61B4X			
	FC-E8000/ E8050/ M8050	SM-CRE70-B	34T	Without		ESMCRE70BA4X	Y0J434000
		SM-CRE70	38T	With Double		ESMCRE70A8DGL	Y0J438000
Without					ESMCRE70A8XL	Y0J438000	
		SM-CRE70-12-B	36T	Without		ESMCRE7012BA6XL	Y0KK36000
		SM-CRE70-12	42T	With Double		ESMCRE7012B2DGL	Y0KK42000
		SM-CRE80	34T	Without		ISMCRE80A4X	Y1VY00030
					ISMCRE80A8X	Y1VY00040	
With Double					ISMCRE80B4DG	Y1VY44000	
		SM-CRE80-B	38T	With Double		ISMCRE80BA4X	Y1VY00030
						ISMCRE80BA8X	Y1VY00040
		SM-CRE80-R	47T	Without		ISMCRE80RB7XL	Y0JZ47000
		SM-CRE80-12-B	34T	Without		ISMCRE8012BA4X	Y0KJ34100
						ISMCRE8012BA6X	Y0KJ36100
						ISMCRE8012BA8X	Y0KJ38100

Chain



Directional design



Perforated Ultra light Plate



Chromizing Treatment Link Pin



Hollow Pin

12-speed

Series	Model no.	Photo	Performance Indicator	Outer link plate surface treatment	Inner link plate surface treatment			Weight (114 link)	116L	126L	138L
XTR M9100 series	CN-M9100			SIL-TEC	Chromizing	X	X	242 g	ICNM9100116Q	ICNM9100126Q	ICNM9100138Q

11-speed

Type	Photo	E-bike design	Model no.	Outer link plate surface treatment	Inner link plate surface treatment	Weight (114 link)	116/118L	126L	138L
HG-X11			CN-E8000-11	Chromizing	Chromizing	257 g	ICNE800011116Q	ICNE800011126Q	ICNE800011138Q
			CN-HG701-11	SIL-TEC	SIL-TEC	257 g	ICNHG70111116Q	ICNHG70111126Q	ICNHG70111138Q
			CN-HG601-11	Gray	SIL-TEC	257 g	ICNHG60111116Q	ICNHG60111126Q	ICNHG60111138Q

10-speed

Type	Photo	E-bike design	Model no.	Outer link plate surface treatment	Inner link plate surface treatment	Weight (114 link)	116/118L	126L	138L
HG-X			CN-E6090-10	SIL-TEC	SIL-TEC	276 g	ICNE609010118I	ICNE609010126I	ICNE609010138I


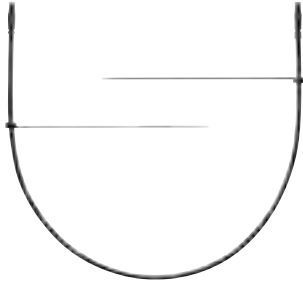
9-speed

Type	Photo	E-bike design	Model no.	Outer link plate surface treatment	Inner link plate surface treatment	Weight (114 link)	116/118L	126L	138L
HG			CN-E6070-9	Gray	Gray	276 g	ICNE60709118I	ICNE60709126I	ICNE60709138I

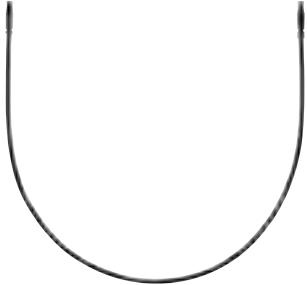
8/7/6-speed

Category	Type	Photo	Model no.	Performance Indicator	Series	Outer link plate surface treatment	Inner link plate surface treatment					Connecting pin	Weight (114 link)	Code no.
Road/MTB	HG/UG		CN-HG71		OTHERS	Gray	Gray	-	-	X	-	QUICK-LINK (CN-UG51)	324 g	ECNHG71C116Q
			CN-HG71		OTHERS	Gray	Gray	-	-	X	-		324 g	ECNHG71C116I ECNHG71C138I


Electric wire

Image	Model no.	Description	Length	Code no.			
	EW-SD50	Electric wire of 50 mm width	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			
				NEW EW-SD300-I	Electric wire of 30 mm width for internal routing	150 mm	IEWSD300IL015
						200 mm	IEWSD300IL020
250 mm	IEWSD300IL025						
300 mm	IEWSD300IL030						
350 mm	IEWSD300IL035						
400 mm	IEWSD300IL040						
500 mm	IEWSD300IL050						
550 mm	IEWSD300IL055						
600 mm	IEWSD300IL060						
650 mm	IEWSD300IL065						
700 mm	IEWSD300IL070						
750 mm	IEWSD300IL075						
800 mm	IEWSD300IL080						
850 mm	IEWSD300IL085						
900 mm	IEWSD300IL090						
950 mm	IEWSD300IL095						
1000 mm	IEWSD300IL100						
1200 mm	IEWSD300IL120						
1400 mm	IEWSD300IL140						
1600 mm	IEWSD300IL160						


Electric wire

Image	Model no.	Description	Length	Code no.
	<p>NEW EW-SD300</p>	Electric wire of 50 mm width for external routing	150 mm	IEWSD300L015
			200 mm	IEWSD300L020
			250 mm	IEWSD300L025
			300 mm	IEWSD300L030
			350 mm	IEWSD300L035
			400 mm	IEWSD300L040
			500 mm	IEWSD300L050
			550 mm	IEWSD300L055
			600 mm	IEWSD300L060
			650 mm	IEWSD300L065
			700 mm	IEWSD300L070
			750 mm	IEWSD300L075
			800 mm	IEWSD300L080
			850 mm	IEWSD300L085
			900 mm	IEWSD300L090
			950 mm	IEWSD300L095
1000 mm	IEWSD300L100			
1200 mm	IEWSD300L120			
1400 mm	IEWSD300L140			
1600 mm	IEWSD300L160			




Wire holder

Image	Model no.	Description	Code no.	EP800	E8000	E7000	E6100	E5000
	EW-SD50-I	Wire holder (cable-tie) for electric wire EW-SD50-L for internal routing. 1unit = 20pcs	IEWSD50ISM1	✓	✓	✓	✓	✓
















E-TUBE kit

Image	Model no.	Usage	Description	Code no.
	SM-PCE02	For connecting the bicycle (system or components) to a PC via a PC linkage device	PC LINKAGE DEVICE	IETUBEKIT3EB (English) IETUBEKIT3GB (German)
	EW-SD50		ELECTRIC WIRE 1400 mm	
	SM-JC41		JUNCTION (B)	
	TL-EW02		PLUG TOOL	

Conversion adapter and wire junctions

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

Accessories

Image	Model no.	Compatible with	Description	Code no.
	NEW EW-CL300-S	EW-SD300	Cord Clip for EW-SD300 and SP outer casing/brake hose :φ4	Y7HS10000
	NEW EW-CL300-M		Cord Clip for EW-SD300 and SP outer casing/brake hose :φ5	Y7HS20000
	NEW EW-CB300-S		Cord Band for EW-SD300 and φ22.2 handle bar	Y7HX01000
	NEW EW-CB300-M		Cord Band for EW-SD300 and φ31.8 handle bar	Y7HX02000
	NEW EW-CB300-L		Cord Band for EW-SD300 and φ35 handle bar	Y7HX03000
	NEW 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
	NEW EW-GM300-S	EW-SD300	Frame grommet for EW-SD300 (6 mm CIRCLE)	Y7HN01000
	NEW 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-BA01	EW-SD50	Bottle cage adaptor: Repositions bottle cage to reduce interference	ISMBA01
	SM-PCE02	EW-SD50 (compatible with EW-SD300 with EW-AD305)	PC Linkage Device	ISMPC02B
	NEW TL-EW300	EW-SD300	Plug tool: Connection and disconnection of EW-SD300	Y7HE40000
	TL-EW02	EW-SD50	Plug tool: Connection and disconnection of E-TUBE electric wires	Y6VE16000
	TL-EW01	- (only compatible with DURA-ACE 7970 series)	Plug Tool: Only for 7970 wires	Y7CY02000

Tool



TL-FC32

HOLLOWTECH II bottom bracket adapter tool



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



TL-FC36

HOLLOWTECH II bottom bracket adapter tool



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



TL-FC33

HOLLOWTECH II bottom bracket adapter tool



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



TL-FC39

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

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



TL-CN10

QUICK-LINK connecting & removing pliers

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



TL-CN28

11-speed compatible chain tool



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

Spare arrow

Code no. Y13098190





TL-CN29
12-speed compatible chain tool

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



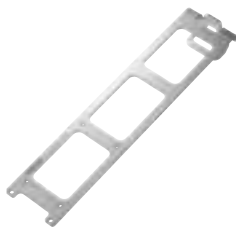
Spare arrow

Code no.	Y13098190
-----------------	-----------



TL-DUE60 NEW
Chain tension measurement tool

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



TL-BME03 NEW
Measurement tool for Installation of Battery mount

Usage	Measurement tool for Installation of BM-E8020
Compatibility	BM-E8020
Code no.	YEZY00015



TL-EW300 NEW
Plug tool for connection and disconnection of Electric wire

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



TL-EW02
Plug tool for connection and disconnection of Electric wire

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



TL-BME02 NEW
Measurement tool for Installation of Battery mount

Usage	Measurement tool for Installation of BM-E8010/BM-E8016
Compatibility	BM-E8010/BM-E8016
Code no.	YEZY00014

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

E-TUBE PROJECT for Windows V4 FAQ
<https://bike.shimano.com/e-tube/project/forwindows/faq.html>



E-TUBE PROJECT for mobile FAQ
<https://bike.shimano.com/e-tube/project/formobile/faq.html>



SHIMANO STEPS e-bike and e-MTB systems
come equipped on a wide variety of bicycle brands.
Visit our website to explore your favourite brands – and
don't forget to check out the news section for events
where you can test ride these bikes.

SHIMANO
STEPS

shimano-steps.com