

SHIMANO

2022 E-BIKE PRODUCT
CATALOGUE

**SHIMANO
STEPS**

English (US)



SHIMANO

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 16

SOFTWARE 18

CONNECTED PARTNERS 26

SHIMANO SMART CONNECT E-TUBE 28

PRODUCTS

CHOOSE YOUR RIDING STYLE 30

ALL-TERRAIN & PREMIUM E-MTB EP800/E7000 32

E-TREKKING/CITY E6100/E5000 48

E-CARGO EP800/E6100 64

SYSTEM COMPONENTS 70

SERVICE PARTS 90

SERVICE & WARRANTY/FAQ 98

Carefully Crafted Over A Century, Built On Cycling History

THE ESSENCE OF CYCLING

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

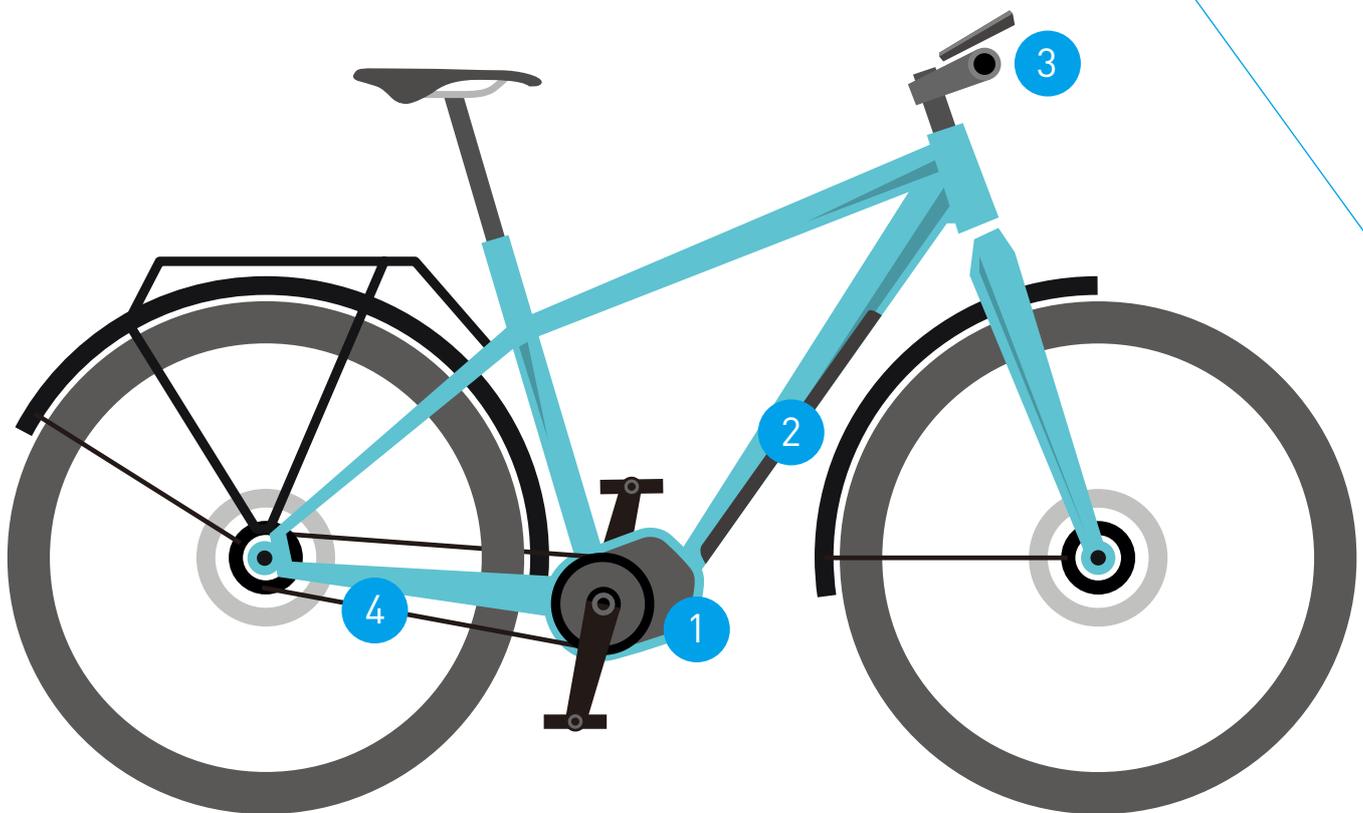
Keeping fit has never been so much fun. Whether you're zipping around the city, coasting through the countryside, traversing tough terrain or scaling mountains – our high-end e-bike systems will be with you every step of the way.

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 DESIGNED TO WORK SEAMLESSLY WITH A COMPLETE SHIMANO DRIVETRAIN FOR A NATURAL AND ENHANCED RIDING EXPERIENCE.





1 — Drive unit

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

2 — Battery

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



3 — Cycle computer

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

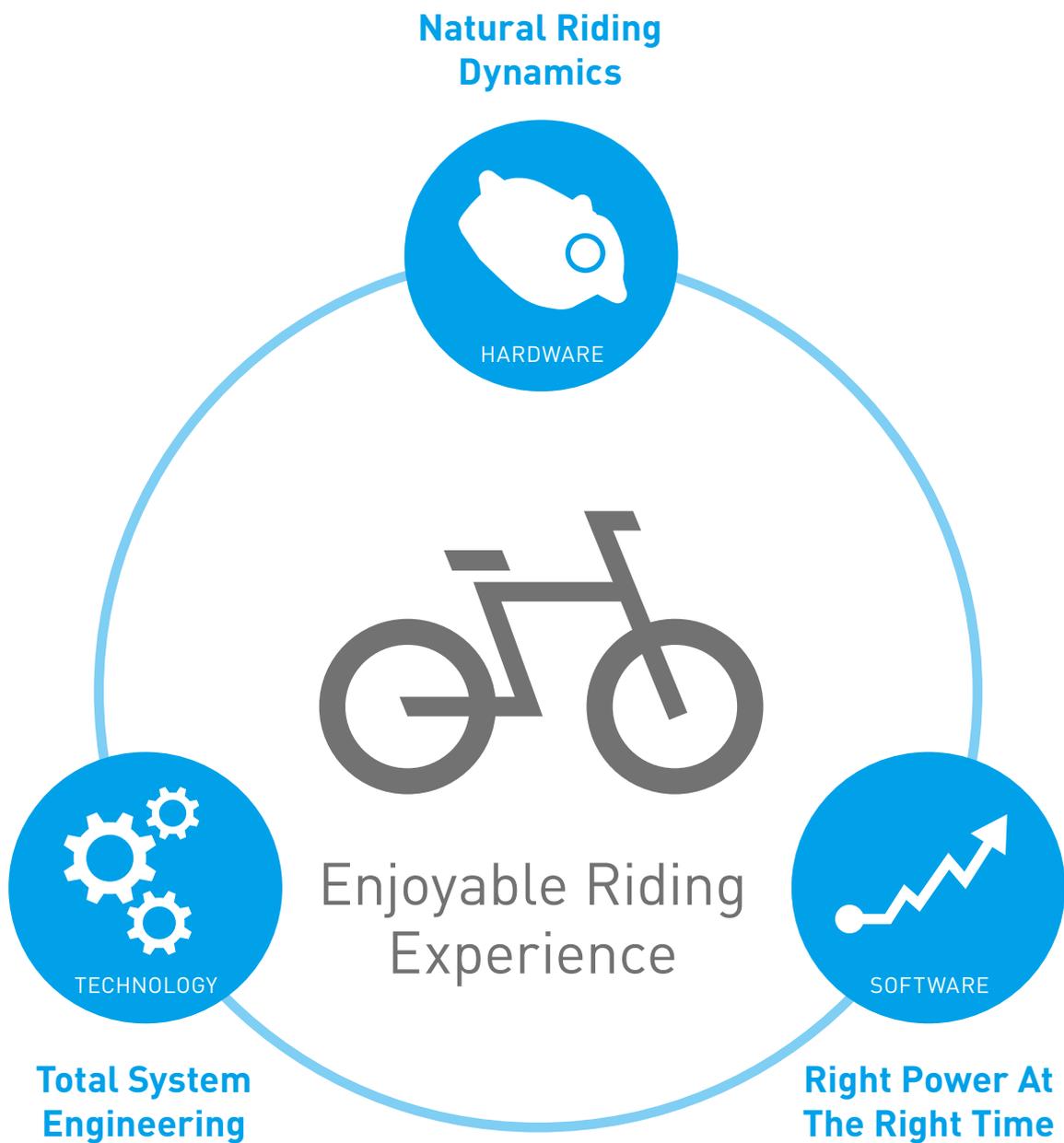
4 — Drivetrain

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 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



SHIMANO NEW DRIVETRAIN SYSTEM



LINKGLIDE delivers seamless shifting and pedaling performance that's made to last. LINKGLIDE will support stress-free riding and ownership experiences for evolving bike types and riding styles for years to come. It is an exceptionally durable drivetrain built to stand up to persistent daily wear and provide enduring shifting and pedaling performance for multi-purpose bikes and high-torque e-bikes.

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

LINKGLIDE Key Features

- Smooth and decisive shifting and pedaling performance that's made to last.
- Optimized shifting gate design.
- Robust cassette teeth resists damage when shifting and driving under high torque.

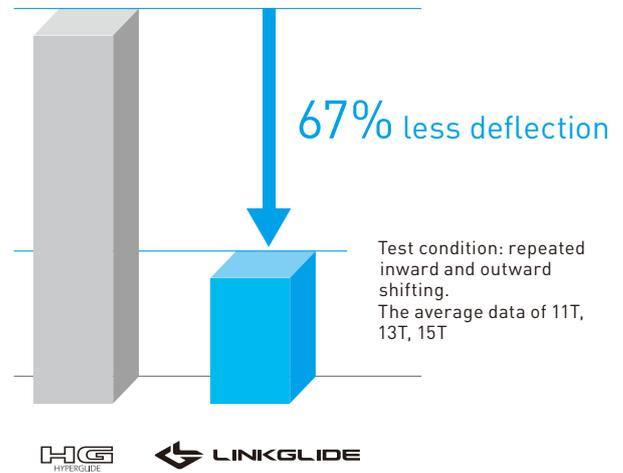


SMOOTH

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

LINKGLIDE's optimized shifting gate design that creates a smoother handoff between cogs to avoid the jumps that can impact shifting and pedaling smoothness. This design improvement is especially pronounced on outward shifts where pedaling shock is more noticeable due to the larger forces involved.

Smoother pedaling from start to finish
Crank idling angle during up/outward shifts (lower = smoother)



STRONG SUSTAINABLE

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

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



Features

- Drive longer without chain skips
- Far slower decline in shifting performance

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 2.6 kg, 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 85 N·m of power to get you to the top of your next epic descent.

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



Left Side View

Rear View

DU-EP800 vs. DU-E8000

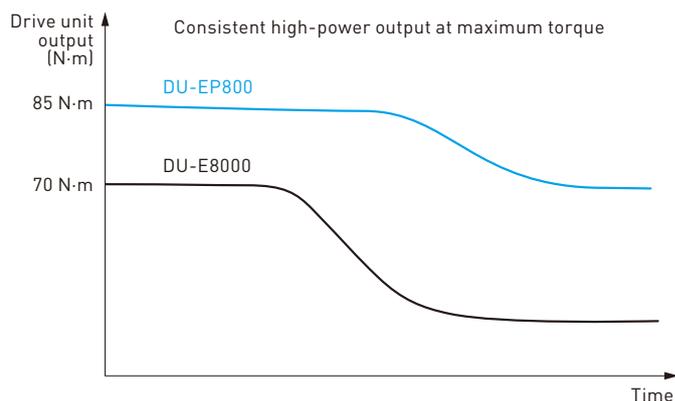
Quieter EP800

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 the combination of materials with robust heat dissipation, a larger moulded-in surface area, and a completely redesigned motor housing, EP800 can handle rising temperatures on climbs, meaning you get the maximum torque for an extended period of time.

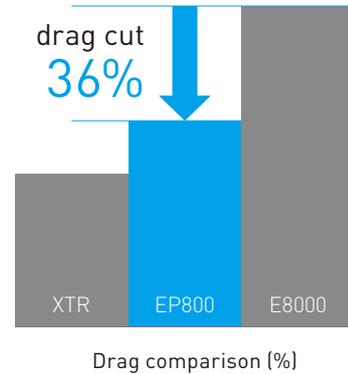


Smoother Pedaling EP800

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 the legal speed limit in each region.

EP8 delivers smooth pedaling and no surprises.

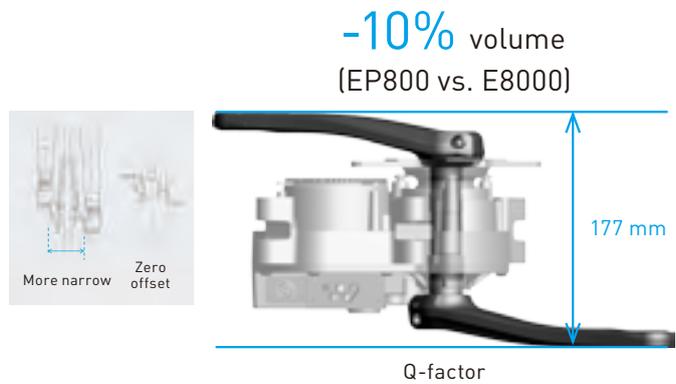


Zero Offset And Narrower Q-Factor

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.

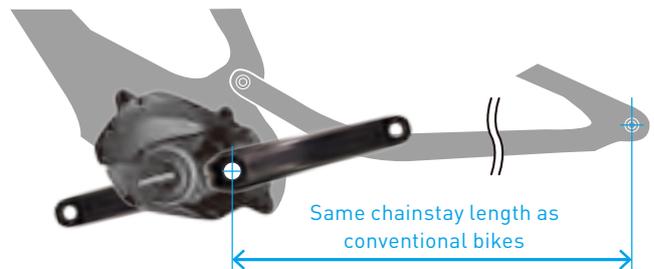


Short Chain Stay

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.

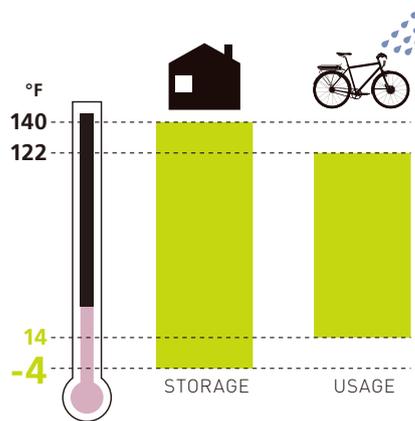
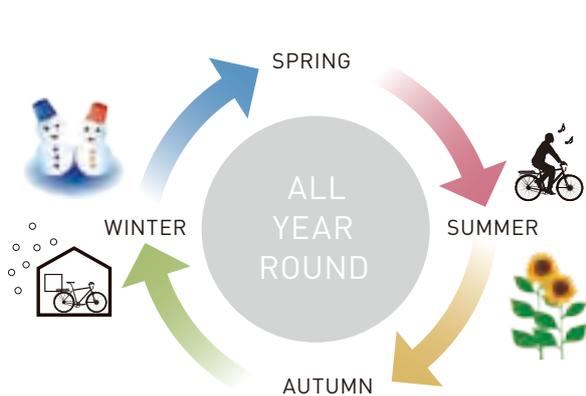
The short chain stay specification allows frame makers to design power-assisted bikes that provide the same maneuverable handling and authentic feel of conventional bikes.



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.

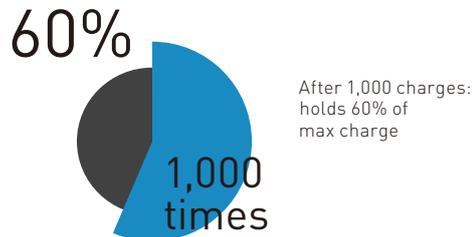
Shimano battery systems deliver long-life operation and can be stored safely at a wide range of temperatures for year-round enjoyment under any conditions.



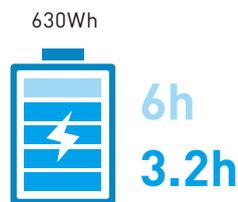
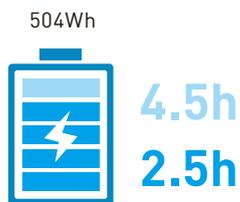
Anti-aging battery

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

- **The durable battery retains a greater charge for a longer time**



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



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

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 cadence.

When riders manually shift in auto mode, the SHIMANO STEPS system uses a learning function to recognize the manual shift patterns 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.

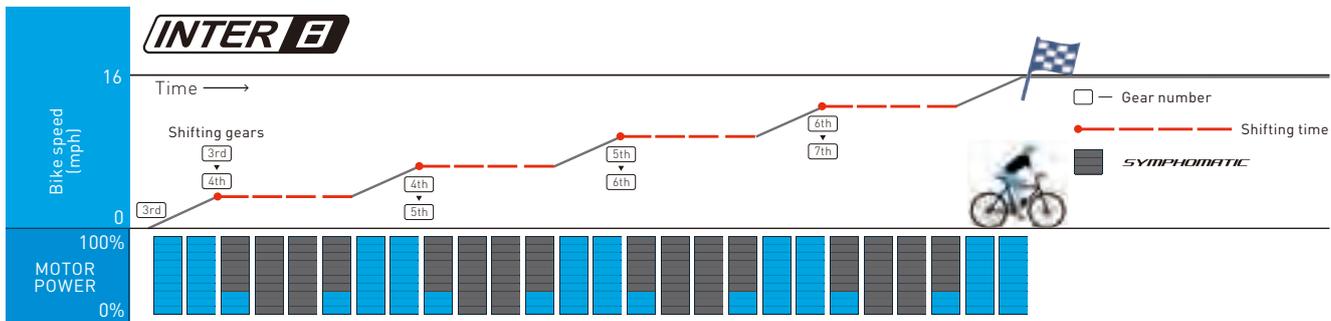
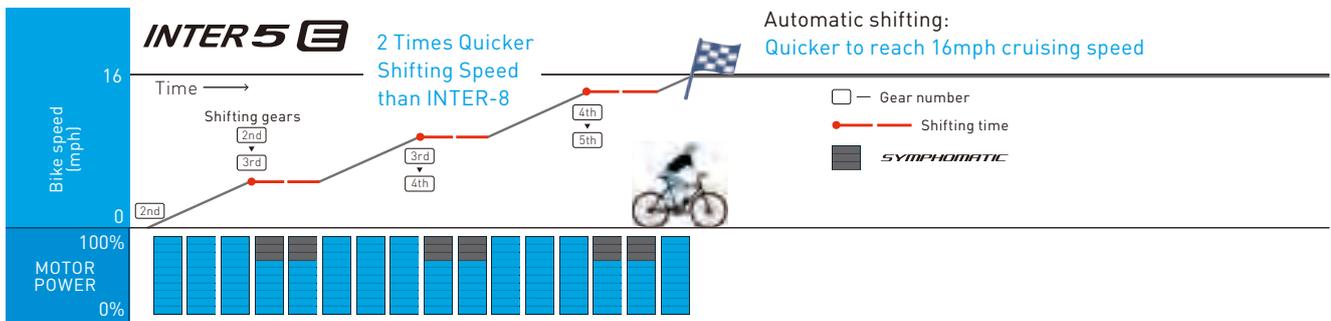
E-bike Specific Internal Geared Hub (INTER-5E)

INTER 5 E BIKE DESIGN

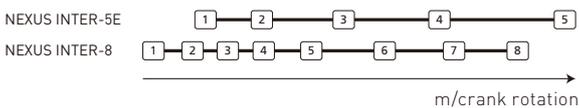
The NEXUS INTER-5E is a revolutionary internal geared hub with enormous 263% gear range that was designed for the unique demands of e-bike riding, and built to withstand much higher pedaling forces while shifting.

- 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.

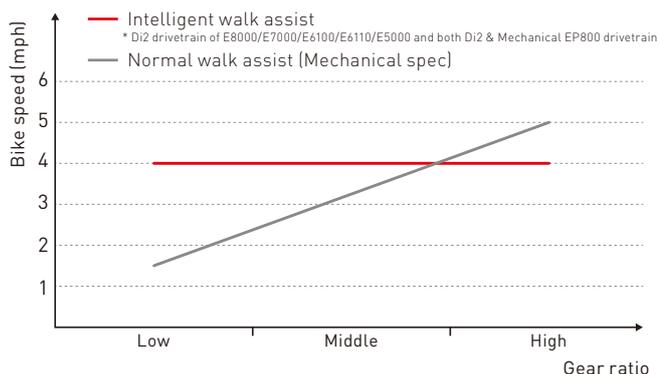
SYMPHOMATIC

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
EP800	✓	✓
E8000/E7000/E6100/ E6110/E5000	✓	—

[How to operate]

Walk assist icon

X

Y

for example SC-E5000 screen image

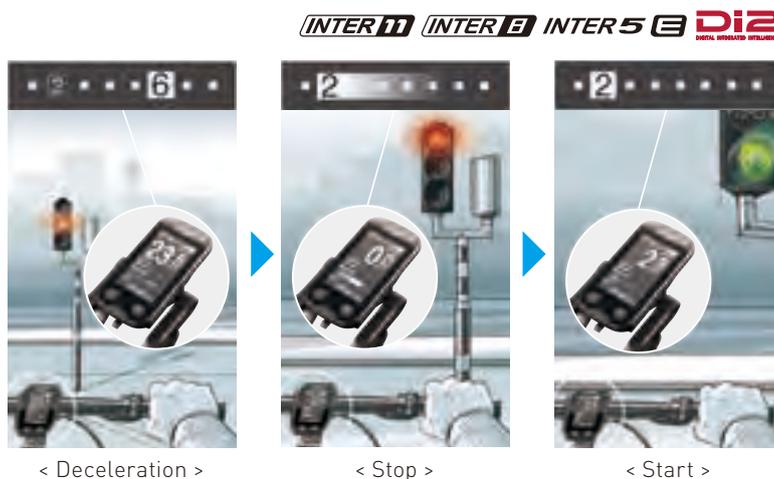
- 1 Start [WALK] mode:
Hold down the Y button 0.5 seconds until [WALK] displays, then release the button.
- 2 Activate [WALK] mode:
Hold down the Y button continuously while pushing the bike.

* 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 desired gear when starting off.



COMFORTABLE IN ANY SITUATION

There are no shortcuts when creating a truly enjoyable e-bike riding experience. Just like all our groupsets, SHIMANO 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.





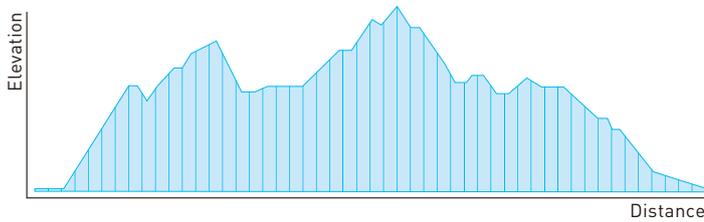
THE RIGHT POWER AT THE RIGHT TIME

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.

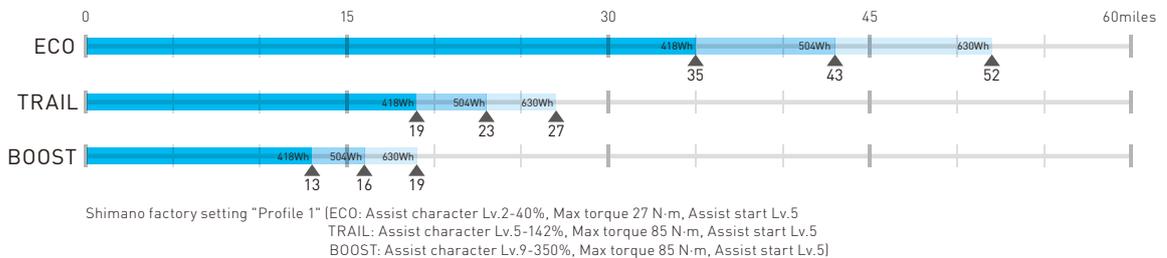
Singletrack Course* Performance

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

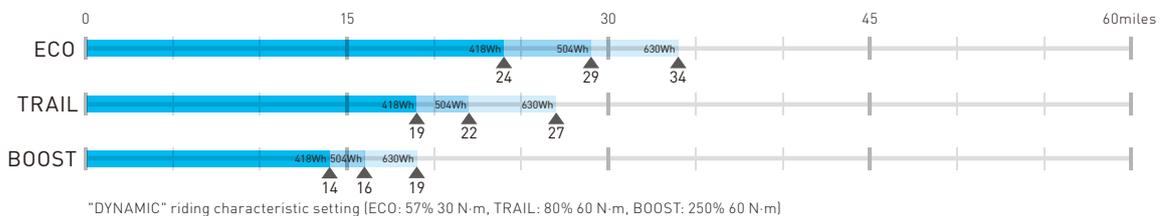


- * Testing conditions:
- Terrain type: Single track course
- One loop course:
 - Distance: 2miles;
 - Total Elevation: 500feet;
 - Average (incline) gradient on climbing: 8.1%;
 - Max. gradient on climbing: 16.7%
- Rider weight: 80 kg
- Cadence: 60 rpm;
- MTB bike with 27.5 x 2.6 MTB tire
- Temperature: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

DU-EP800 E-MTB



DU-E7000 E-MTB



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

Flat Paved Road Course* Condition

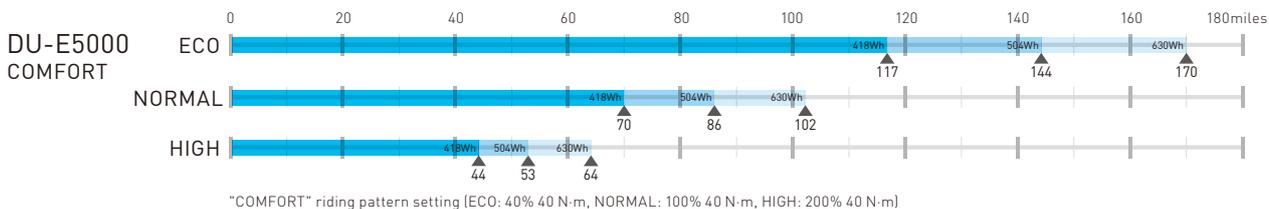
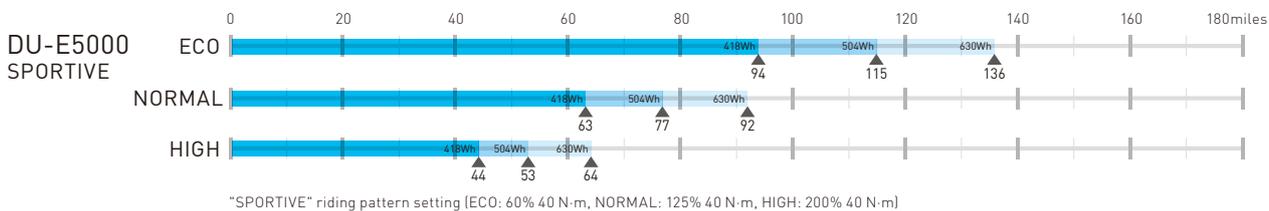
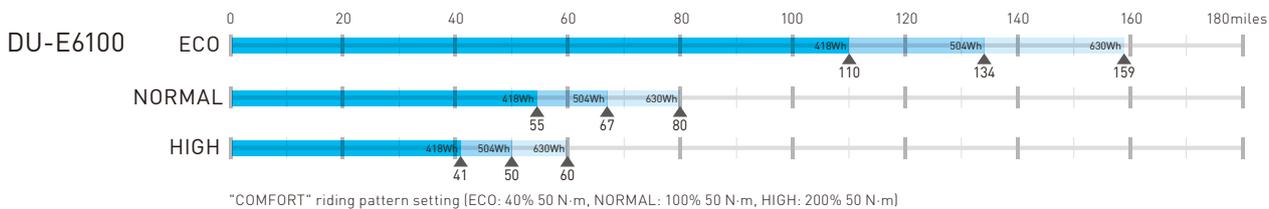
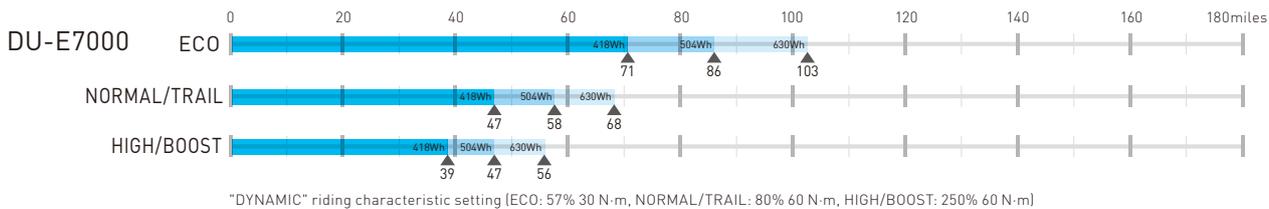
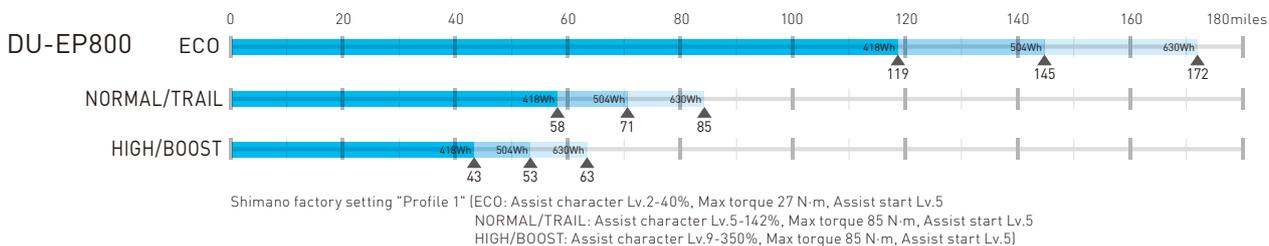
Shimano tested battery ranges for each drive unit and mode

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.



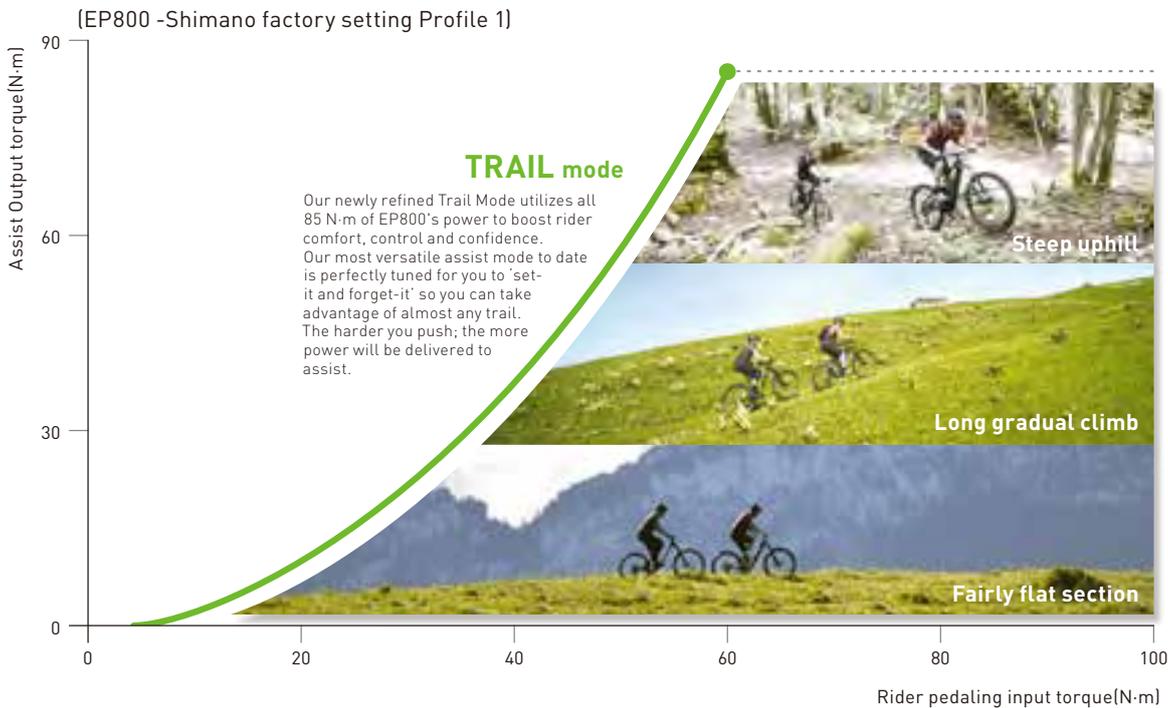
Note: These figures represent expected range for new rechargeable batteries and may vary over time or if used outside of these specific testing conditions.

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

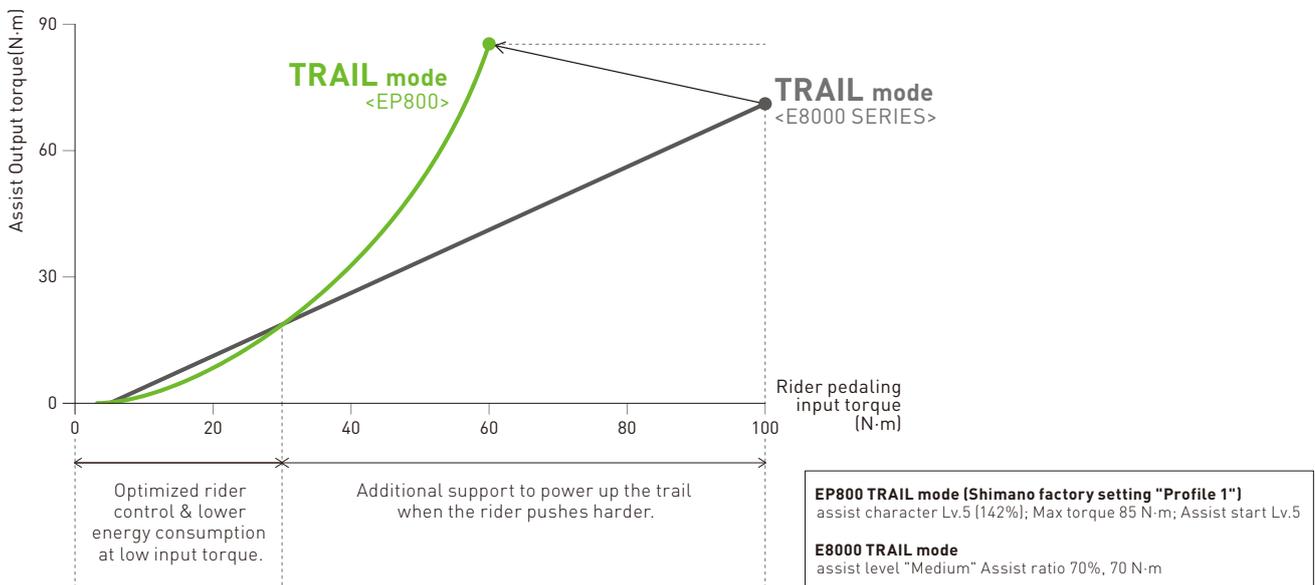
Shimano TRAIL mode sets its assist output characteristics to focus on bike control in the fast-changing conditions of MTB. TRAIL mode delivers optimal assist power when riders need the best performance, so you receive the right power at the right time, safe in the knowledge you'll always have maximum 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.



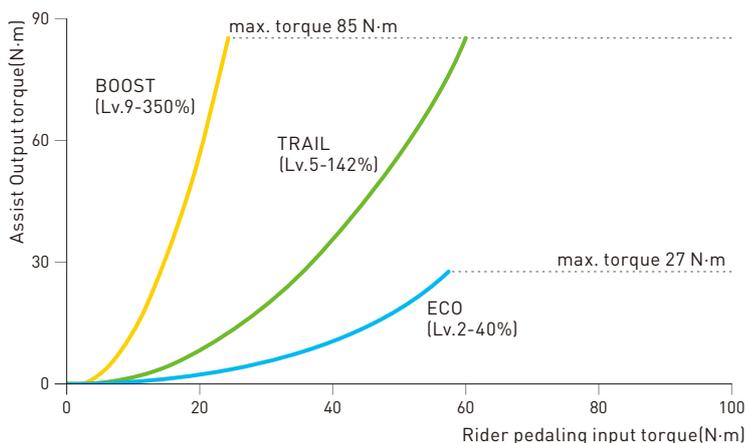
Setting → Assist Customize



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.

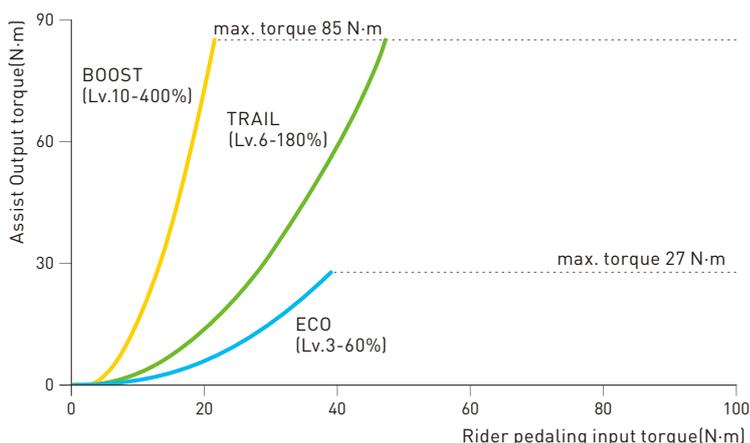
BOOST: Produces effective bike control on technical trails. Emphasizes faster application of assist torque for situations where high assist torque needs to be rapidly applied.

TRAIL: Versatile setting that covers everything from fire roads to difficult single track. 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 Cyclist or Professional* 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 (20 N·m - 85 N·m),
- Assist start: 5 levels (Lv.1 - Lv.5)**

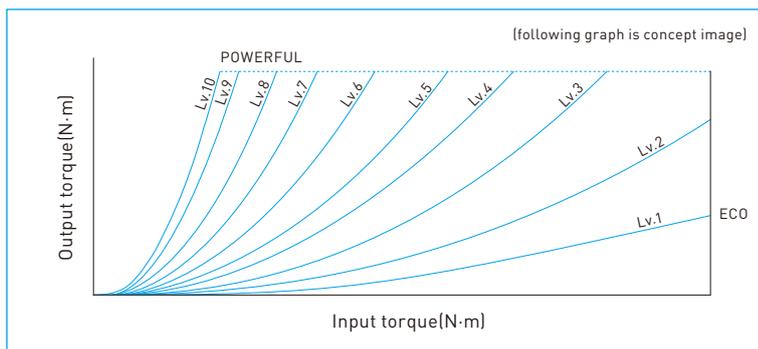
Use E-TUBE PROJECT* to adjust the settings for each assist mode to better match personal riding styles, preferences, and conditions.

Major factors to consider when adjusting profile parameters:

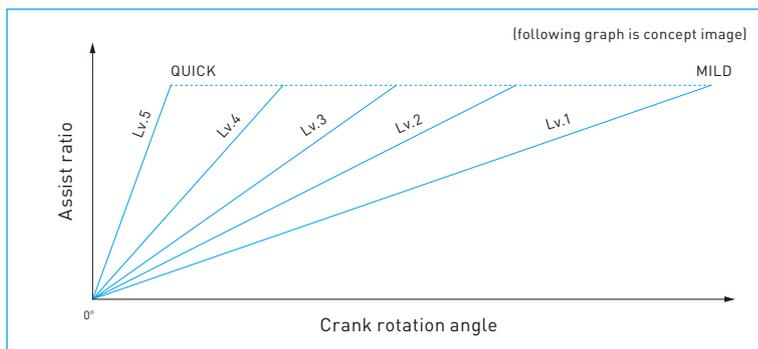
- Rider, bike, and packed items weight;
- Leg strength & stamina;
- Tire thickness, tire block pattern, & air pressure;
- Route features (level of elevation change, average and peak steepness of inclines.);
- Surface conditions (dirt, gravel, pavement, etc.);

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)



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



E-TUBE PROJECT Cyclist

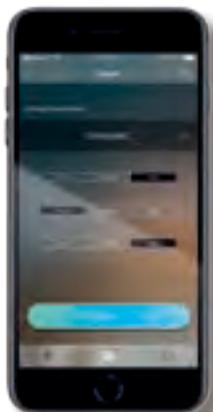


E-TUBE PROJECT Professional

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



* SM-PCE02 and EW-AD305 are required to connect with PC.
 ** Range between Lv.1 - Lv.5 may vary by each bike brand setting.

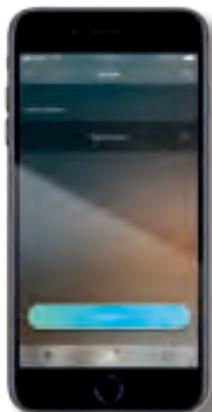


<image only>

Assist Characteristics Variation and Customization Can Be Set Through E-TUBE PROJECT Cyclist or Professional

E8000/E7000

Please refer to assist characteristics and customization details on page 35.



<image only>

2 Types of Assist Patterns (Sportive & Comfort) Can Be Set Through E-TUBE PROJECT Cyclist or Professional

E6100/E6110/E5000

Please refer to assist pattern details on page 51.

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

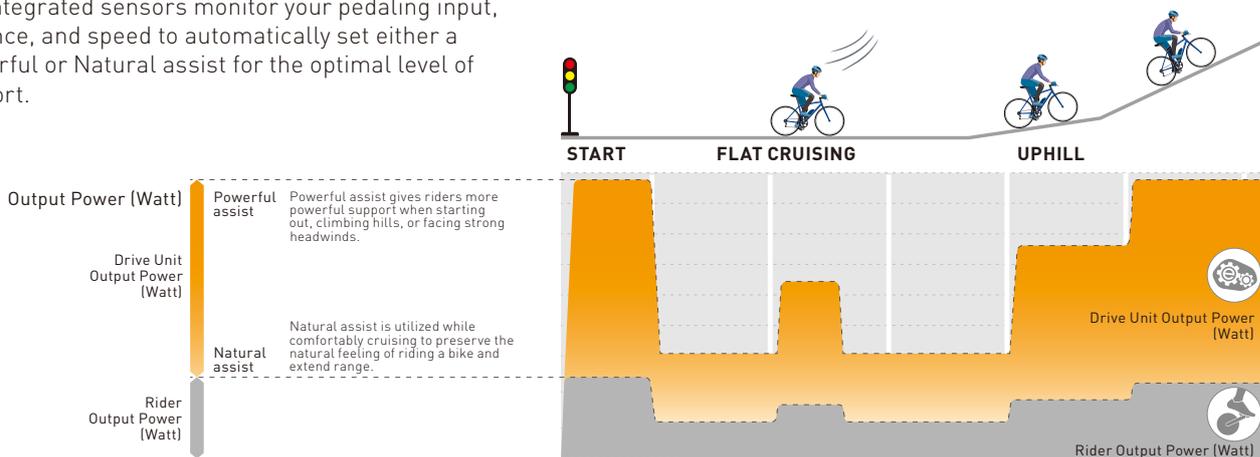
Optimized setting of assist output characteristic uses battery power more intelligently.

Greater focus on riding

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

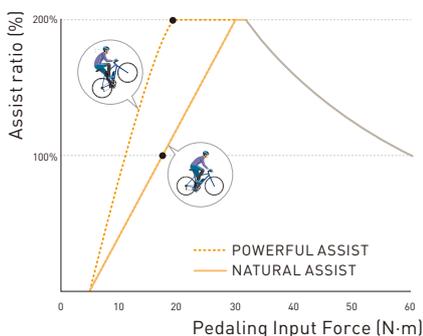
Optimal assist output characteristics for every situation

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*

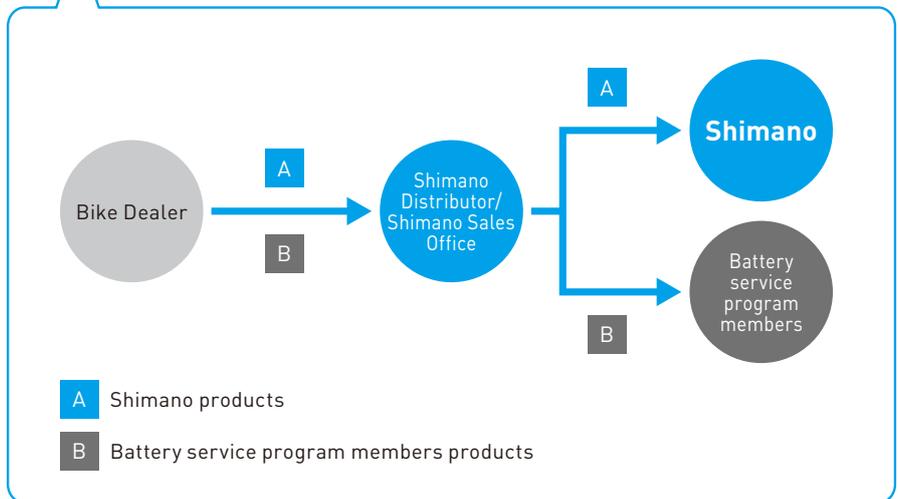
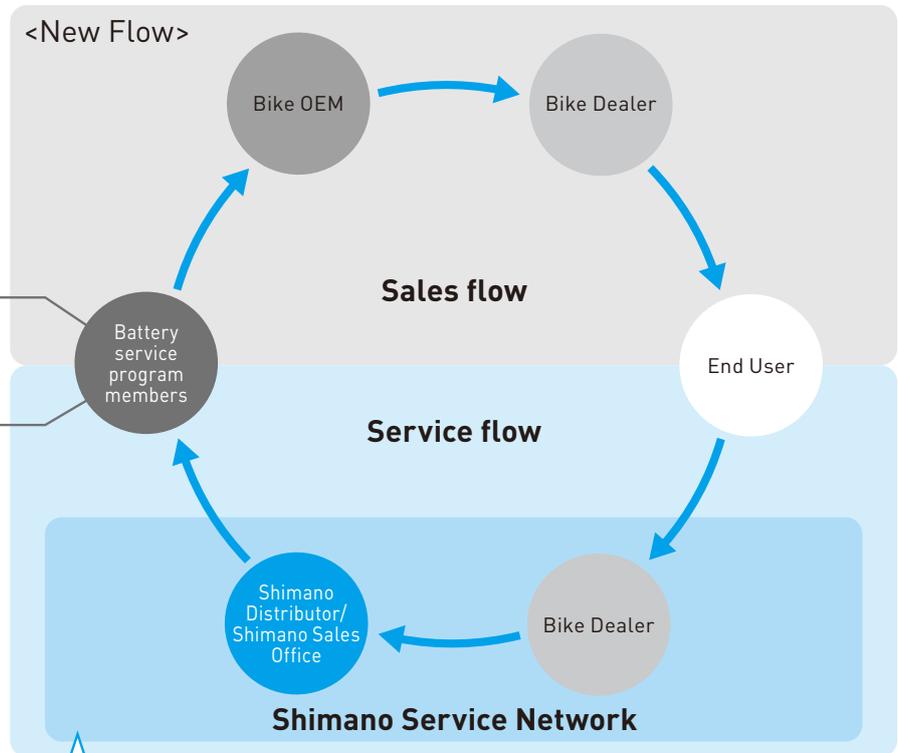
Simplified Handling For Dealers

Service support for Shimano batteries is offered by the following battery service program members:

DARFON

SMP

TRENDPOWER
Energy solution provider - Moving energy to you.



* This service support program is not available in all areas. Availability will vary by region. For details, please contact your local sales representative.

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 E-TUBE PROJECT Professional

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"

<https://bike.shimano.com/information/connected-partners/battery.html>

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					Wireless unit
	SC-EM800	SC-E5003	SC-E7000	SC-E6100	SC-E5000	EW-EN100
Bluetooth	●	—	●	●	—	●
ANT	●	—	●	●	—	●

● : YES
— : NO

Shimano Electronics Components

SHIMANO STEPS

Near Field Network

SHIMANO D-FLY

Bluetooth ANT

Connected Partners

116
120
100
110
123
123

116
120
100
110
123
123

Smartphones

116
120
100
110
123
123

116
120
100
110
123
123

GARMIN

bryton

SIGMA GERMANY

smarthalo

<https://bike.shimano.com/technologies/component/details/d-fly.html>



SHIMANO Smart Connect E-TUBE

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

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



E-TUBE PROJECT

CUSTOMIZABLE SETTINGS OFF THE BIKE

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

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

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



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

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



<https://bike.shimano.com/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.



Enhance your lifestyle and enjoy new discoveries on everyday rides.

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



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

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

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



Choose Your Riding Style

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.

NEW

CARGO BIKE

EP8 | EP800-CRG



CARGO
DEDICATED
DRIVE UNIT

NEW

CARGO BIKE

SHIMANO STEPS | E6100-CRG



CARGO
DEDICATED
DRIVE UNIT

CITY COMFORT

CITY



CITY COMFORT

SHIMANO STEPS | E5000

FOR HASSLE-FREE
EVERYDAY RIDES IN
THE CITY

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/>



TREKKING



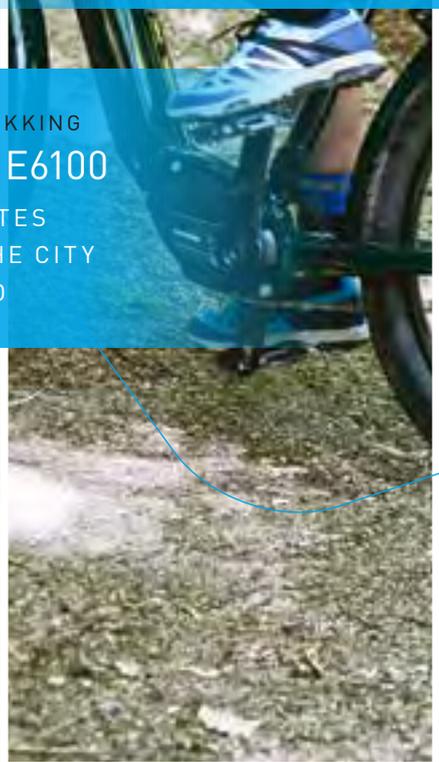
XC & CASUAL MTB



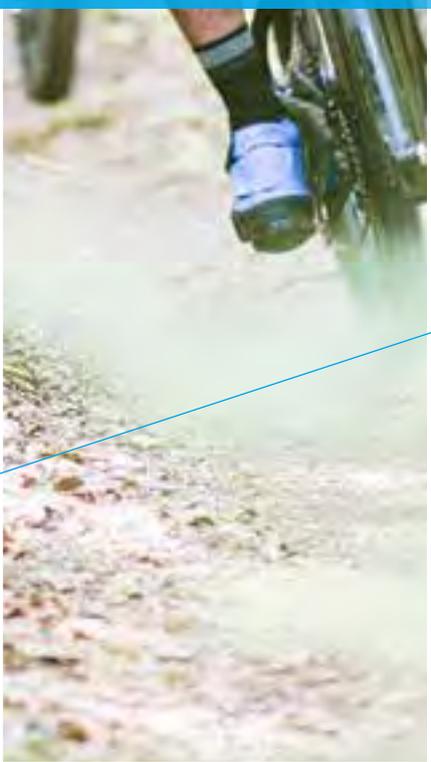
TRAIL
PREMIUM MTB



CITY & TREKKING
**SHIMANO
STEPS** | E6100
FOR COMMUTES
THROUGH THE CITY
AND BEYOND




ALL ROUND E-MTB
**SHIMANO
STEPS** | E7000
FOR SPORTY
OFF ROAD
ADVENTURES



PREMIUM E-MTB
EP8 | EP800
FOR CONQUERING
MOUNTAINS AND
EXPLORING NEW TRAILS

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 Professional
<https://bike.shimano.com/e-tube/project/forwindows.html>



E-TUBE PROJECT Cyclist
<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 mountain bike. Blended harmoniously with the bike frame, the components work in sync to deliver unparalleled performance: powerful enough to tackle that steep, tricky bit of trail, yet intuitive enough to give you just the right amount of support to hit the technical single-tracks with confidence. They allow you to fully focus on what's ahead. So stop thinking and start exploring.

Equipped on 70+ mountainbike brands

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



SHIMANO STEPS
EP800/E7000 PRODUCTS



EP8

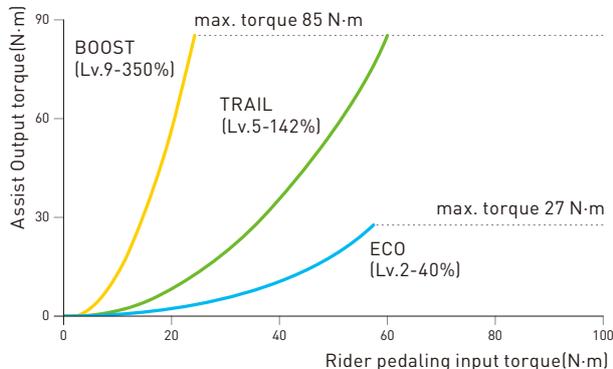


SHIMANO
STEPS | E7000

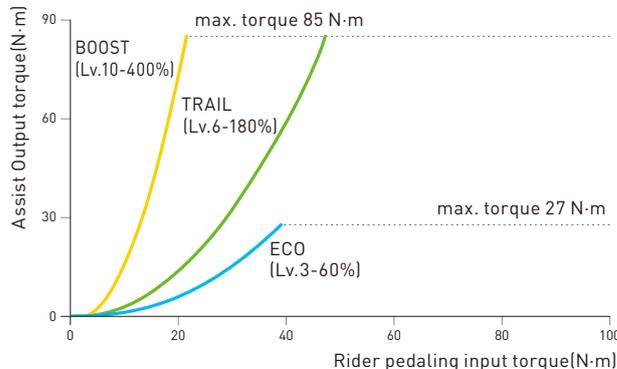
DRIVE UNIT OUTPUT FEATURE

Motor assist maximum torque/Rider pedaling input torque

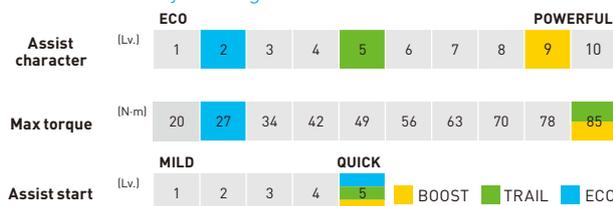
(EP800 -Shimano factory setting Profile 1)



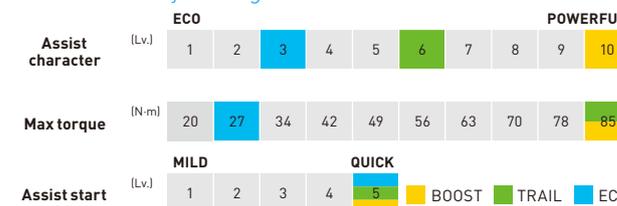
(EP800 -Shimano factory setting Profile 2)



Shimano factory setting (Profile 1) details:

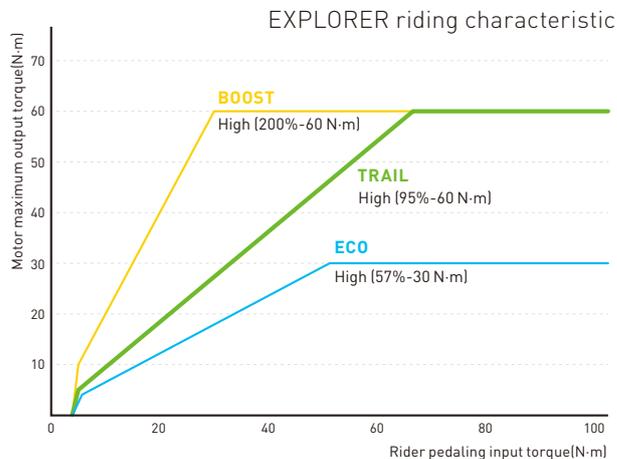
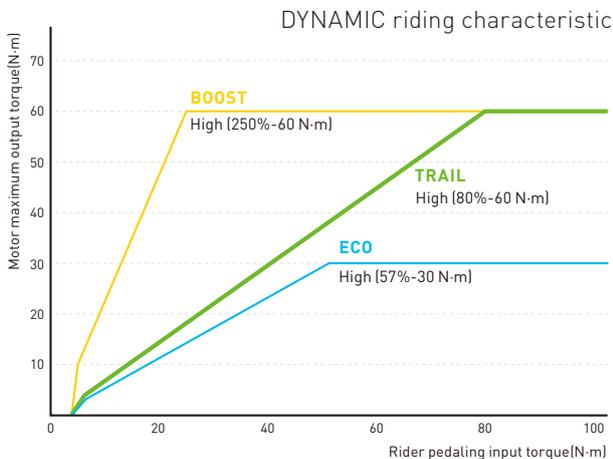


Shimano factory setting (Profile 2) details:



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

E7000



Riding characteristics variation set by E-TUBE PROJECT application

√=Yes *Choose one riding characteristic in this mode

Model		EP800	
Profile		Profile 1	Profile 2
Assist character	BOOST	Lv.9-350%	Lv.10-400%
	TRAIL	Lv.5-142%	Lv.6-180%
	ECO	Lv.2-40%	Lv.3-60%
Max torque	BOOST	85 N·m	85 N·m
	TRAIL	85 N·m	85 N·m
	ECO	27 N·m	27 N·m
Assist start	BOOST	Lv.5	Lv.5
	TRAIL	Lv.5	Lv.5
	ECO	Lv.5	Lv.5

Assist mode	Riding characteristic level [* Set by E-TUBE PROJECT]	E7000			
		Assist ratio	Riding Characteristic		
			Dynamic	Explorer	Customize
BOOST	High	250%, 60 N·m	√	-	*√
	Medium	200%, 60 N·m	-	√	
	Low	150%, 60 N·m	-	-	
TRAIL	High	110%, 60 N·m	-	-	*√
	Medium	95%, 60 N·m	-	√	
	Low	80%, 60 N·m	√	-	
ECO	High	57%, 30 N·m	√	√	*√
	Medium	38%, 30 N·m	-	-	
	Low	19%, 30 N·m	-	-	

Technical Specifications

1 DU-E7000

Drive Unit for V-BRAKE, Disc Brake

- Compact and powerful
- Weight: 2.79 kg
- Nominal output: 250 W
- Maximum torque: 60 N·m
- Direct pedaling feel with assist power on or off



E7000



EP800

1 DU-EP800

Drive Unit

- Pure trail focus
- Evolved MTB performance
- 85 N·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 (Exposed Mounting Screw 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

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
- Chain line 53 mm
- W/o chain guard type only
- Chainring teeth: 34T, 36T, 38T

4 SM-CRE70-12

E-MTB Chainring 12-speed

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

4 SM-CRE70-12-B

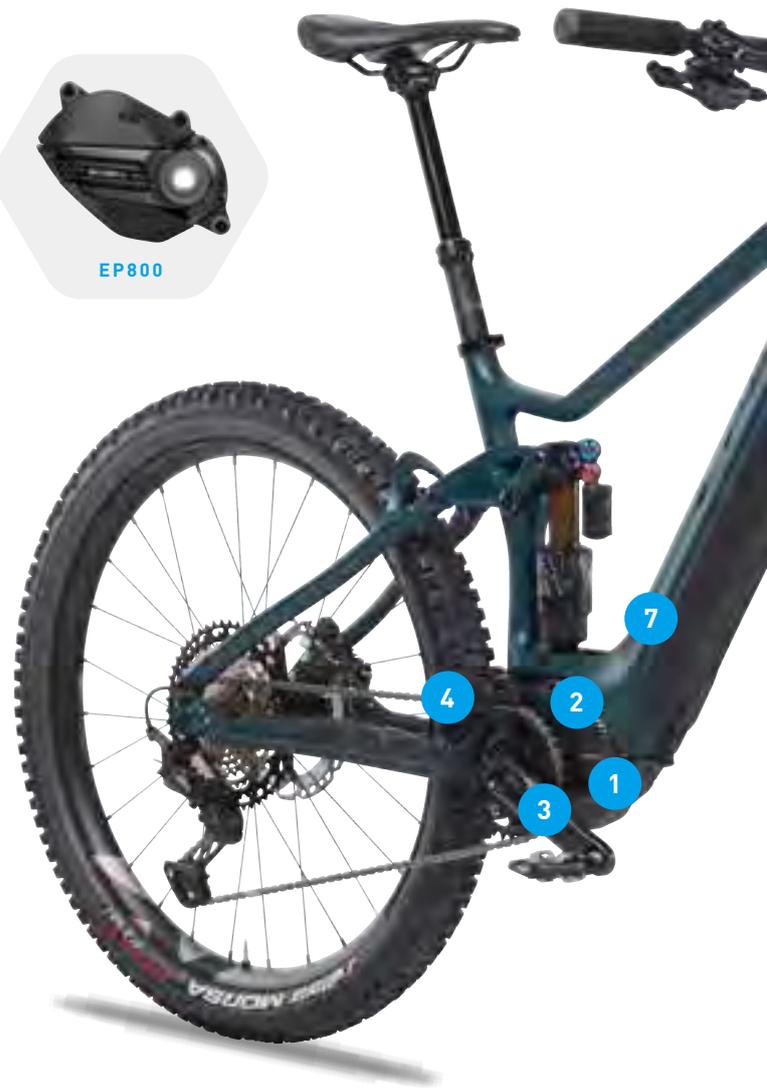
E-MTB Chainring 12-speed

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

4 SM-CDE70

Chain Device

- Support stable riding performance
- Compatible with SM-CDE80



4 CD-EM800**Chain Device**

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

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

- Simple intuitive operation with clearly defined contact points
- Small, compact and slim on the handlebars
- SW-E7000-L: control of assist levels
- SW-E7000-R: operation of the gear shift (Di2)

5 SW-EM800-L**Left Switch Unit for Assist**

- Switch between "OFF", "ECO", "TRAIL", "BOOST" and "WALK" assist modes
- Concave button shape with wider input area

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-EM800**Wireless Cycle Computer**

- Sleek design can be conveniently positioned without dominating the handlebar
- Color coordinated assist levels for easy on-trail reference
- 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 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 504 Wh version offers superb range
- Quick charging: 80% charge in 2.5 hours/0 to 100% charge in 5 hours (504 Wh)
- Integrated version (BT-E8020) available

7 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

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: 504 Wh (36 V, 14 Ah)

7 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: 80% charge in 3 hours

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

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

7 BM-E8030**Integrated Down Tube Battery
Mount With Key Unit Mount****8 EW-SD300****Electric Wire SD300 for
External Routing****9 EW-SW300****SD300 Satellite System
On/Off Switch**

Drive unit, Drive unit cover, Drive unit guard

EP8

EP800 series



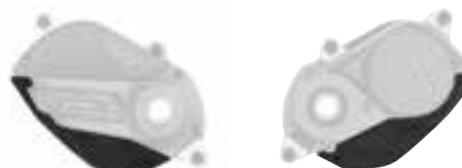
DU-EP800
Drive Unit



DC-EP800-A
Drive Unit Cover
(Exposed Mounting
Screw Type)



DC-EP800-B
Drive Unit Cover
(Covered Mounting
Screw Type)



DC-EP800-G
Drive Unit Guard

E7000 series



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



SM-DUE70-A
Drive Unit Cover



SM-DUE70-B
Drive Unit Cover
(Exposed Mounting
Screw Type)

Drive unit

√=Yes

Model no.		DU-EP800	DU-E7000
Output characteristics		MTB	MTB
Maximum rated power (Watt)		250	250
Maximum torque (N·m)		85	60
Maximum power output (W)		500 W	500 W
Compatible brake type		Disc brake	Disc brake, V-BRAKE
Compatible BB type		24 mm axle serration	24 mm axle serration
Cable connector		Left side	Right side
Drive unit chain device		CD-EM800 SM-CDE80/70	CD-EM800 SM-CDE80/70
Chain case		-	-
Drive unit cover design		DC-EP800-A/B	E7000 (SM-DUE70A/B)
Chain line (mm)		50/53/56.5 mm	50/53 mm
Q-factor		177 mm	180 mm
 Di2 compatible	INTER-11	√	-
	INTER-8	√ Automatic available	-
	INTER-7	-	-
	INTER-5	√ Automatic available	-
	Deraillleur 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
Walk assist function*	On/off (Set by E-TUBE PROJECT)	√	√
	Intelligent	√	√ (Only compatible with Di2)
Power supply for front light/rear light		DC 12 V	DC 12 V
Maximum current supply front and rear light total (A)		2.0	2.0
Safe way home function		√	√
Port for speed sensor (1 pc)		SD300 type	SD50 type
Torque sensor		√	√
Crank arm position sensor		√	√
Bike speed sensor		EW-SS300/SS301	SM-DUE10/DUE11
Cadence sensor		√	√
Weight (kg) w/o cover		2.6	2.79

Drive unit cover, Drive unit guard

√=Yes

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

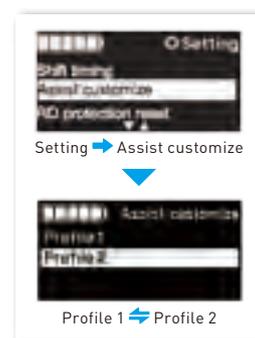
* The walk assist mode function may not be able to be used in certain regions. (Singapore, Brazil)

Cycle computer



SC-EM800
Wireless Cycle Computer

D-FLY Bluetooth ANT



√=Yes

Model no.		SC-EM800	SC-E5003	SC-E7000
Mount position	Center on handlebar	-	-	-
	Right on handlebar	-	-	√
	Others	√	*√	-
Wireless system		ANT private Bluetooth®LE	-	ANT private Bluetooth®LE
E-TUBE port		SD300 type (4 pcs)	SD300 type (1 pcs)	SD50 type (4 pcs)
Electric wire removable		√	√	-
Back light		√	√	√
LCD size (inch)		1.6	1.4	1.39
Beep		√	-	√
Display detachable		-	-	-
Display fixation		√	√	√
Display change button		√	√	√
Assist mode change (w/o switch unit)		√	√	√
Reset button		-	-	-
Inside battery		√	-	√
System on/off button		-	-	-
Light on/off button		-	√	-
Assist 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)



D-FLY
Bluetooth
ANT

v=Yes

Model no.		SC-EM800	SC-E5003	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	
Average weight	41 g	39 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	* In case of SEIS ** Option by E-TUBE PROJECT	

Switch unit, Shifting switch



SW-EM800-L
Left Switch Unit for Assist



SW-E7000-L
Left Switch Unit for Assist

SW-E7000-R
Right Switch Unit for SEIS Shift



SW-M8050-L
Di2 Left Shift Switch



SW-M8050-R
Di2 Right Shift Switch

Switch unit

v=Yes

Model no.		SW-EM800-L	SW-E7000-L	SW-E7000-R
Switch type		-	-	-
Usage		For assist	For assist	For SEIS shift
Electric wire removable		√	-	-
Firmware update by E-TUBE PROJECT		√	√	√
Electric wire port	SD50 type (pc)	0	0	0
	SD300 type (pc)	1	0	0
Electric wire connector	SD50 type (pc)	0	1	1
	SD300 type (pc)	0	0	0
Assist mode change		√	√	-
Display change		-	-	-
Automatic/manual change		-	-	√
Light on-off		-	*-	-
Multiple input	2 step	-	-	-
	Hold	*√	*√	*√
Average weight		24.5 g	** 23.9 g	** 23.9 g
Note		* Set by E-TUBE PROJECT	* 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

v=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	√	-*[v]
Rear derailleur switch		√	√
Suspension switch		-	-**[v]
Mount position adjust		√	√
Master unit		-	-
Firmware update by E-TUBE PROJECT		√	√
Average weight		93 g/pc	93 g/pc
Note		* Can be used for rear derailleur multi shift	* Can be used for rear derailleur multi shift ** Can be used for suspension control

Crank arm



FC-M8150
HOLLOWTECH E-MTB Crank Arm Set



FC-EM900
E-bike HOLLOWTECH Crank Arm Set



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

√=Yes

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		-		

√=Yes

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

EP8 drivetrain system

DU-EP800
DU-EP800-CRGFC-EM900 
FC-M8150 
FC-EM600 Solid type

No compatibility between the current model and DU/FC

E8000/E7000
drivetrain systemDU-E8000
DU-E7000FC-M8050 
FC-E8050 
FC-E8000 Solid type

Chain device, Chainring



CD-EM80
Chain Device



SM-CDE80
Chain Device



SM-CDE70
Chain Device



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

V=Yes

Model no.		CD-EM800	SM-CDE80	SM-CDE70
Chain line (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 chain line	w/ plate, w/o plate type are available	w/ plate

Chainring

V=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
Chain line	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 CN-M6100	Compatible chain CN-M9100 CN-M8100 CN-M7100 CN-M6100	Compatible chain CN-M9100 CN-M8100 CN-M7100 CN-M6100	Compatible chain CN-HG901-11 CN-HG701-11 CN-HG601-11 CN-E8000-11 CN-E6090-10	Compatible chain CN-HG901-11 CN-HG701-11 CN-HG601-11 CN-E8000-11 CN-E6090-10 CN-E6090-10	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	Compatible chain CN-HG901-11 CN-HG701-11 CN-HG601-11 CN-E8000-11 CN-E6090-10 CN-E6070-9



E-TREKKING/ CITY

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

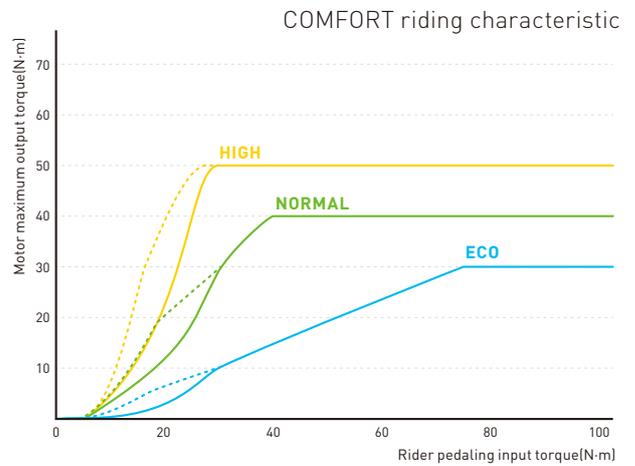
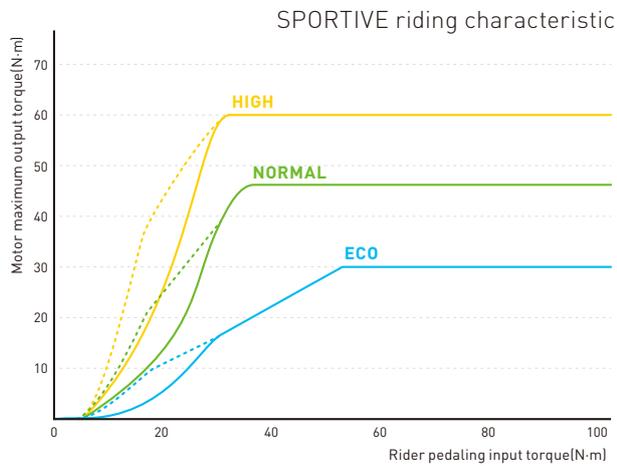


SHIMANO
STEPS | E5000

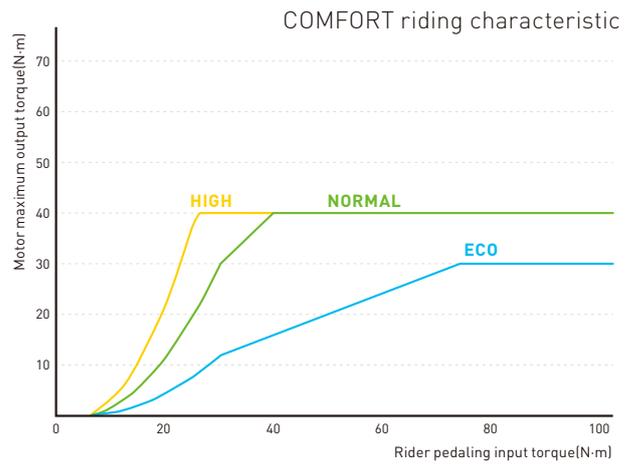
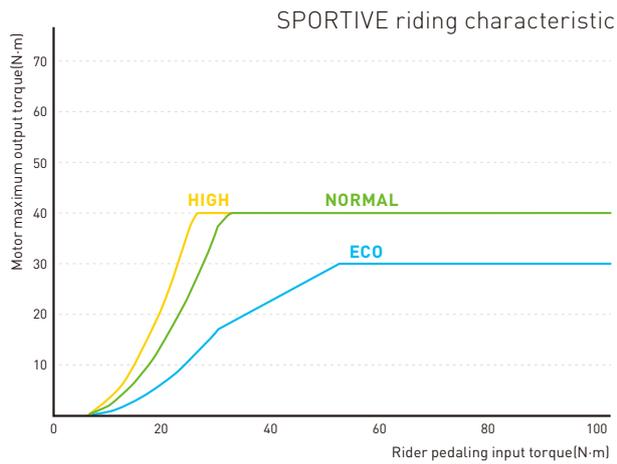
DRIVE UNIT OUTPUT FEATURE

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	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: 250 W
- Maximum torque: 40 N·m
- Optimized pedaling 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: 250 W
- Maximum torque: 50 N·m, sportive 60 N·m
- Optimized pedaling 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

Chainring

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

2 SM-CRE61

Chainring

- 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 contact points
- Small, compact and slim on the handlebars
- SW-E7000-L: control of assist 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 assist 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%

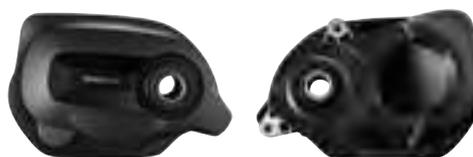


Drive unit, Drive unit cover

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 (N-m)		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)
Chain line (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



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

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
Chain line (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



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



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



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

Internal geared hub spec

V=Yes

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	-	-	-	-	-	-	-	-	-
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			-	-	-	-				

Shift lever, Motor unit, Cassette sprocket



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



NEW
MU-UR510
Motor Unit



MU-UR500
Motor Unit



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

Shift 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		-
Shift lever position adjust		-
Shift 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		-
Shift lever cable	Material	Stainless steel
	Finish	-
Recommended shift lever outer casing		OT-SP41
Clamping diameter (mm)		22.2
Average weight		-
Note		w/ rubber bellows spec. is available

Motor unit

NEW

√=Yes

Model no.		MU-UR510	MU-UR500
Color	1	Black	Standard
	2	-	-
	3	-	-
Compatible internal geared hub		SG-S7051 SG-C6061 SG-C7050	SG-S705 SG-S7051 SG-C6060 SG-C6061 SG-C7050
Compatible speed		11/8/5-speed	11/8/5-speed
Master unit		-	-
Firmware update by E-TUBE PROJECT		√	√
SD50 port (pcs)		0	1
SD300 port (pcs)		1	0
SD50 connector (pcs)		0	0
SD300 connector (pcs)		0	0
Note		-	-

Cassette 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		-

E-CARGO

LOADS OF FUN

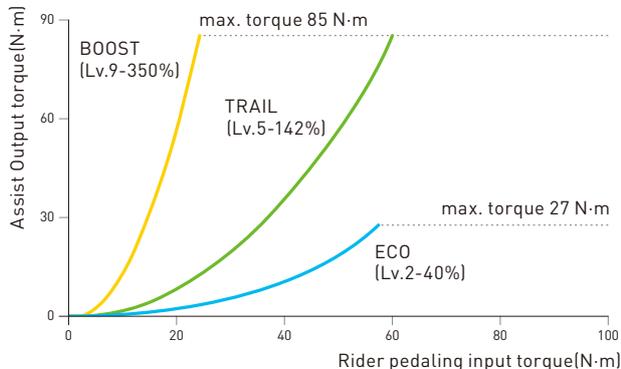
E-Cargo bikes make it easier than ever for busy people to transport their kids, pets, and other precious items day after day. Make the move to car-light or car-free with a delightfully refined pedal assist that gives you a helping hand without trading the cycling experience you love. If you are looking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



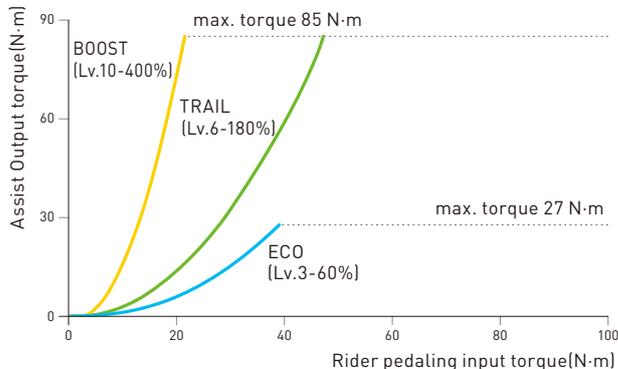
DRIVE UNIT OUTPUT FEATURE

Motor assist maximum torque/Rider pedaling input torque

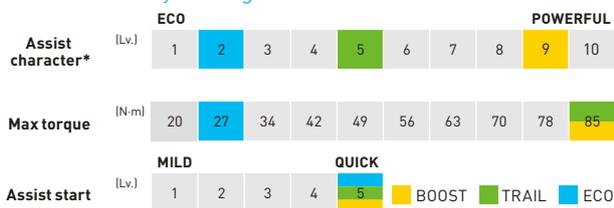
(EP800-CRG -Shimano factory setting Profile 1)



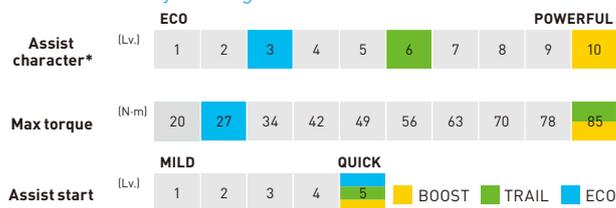
(EP800-CRG -Shimano factory setting Profile 2)



Shimano factory setting (Profile 1) details:



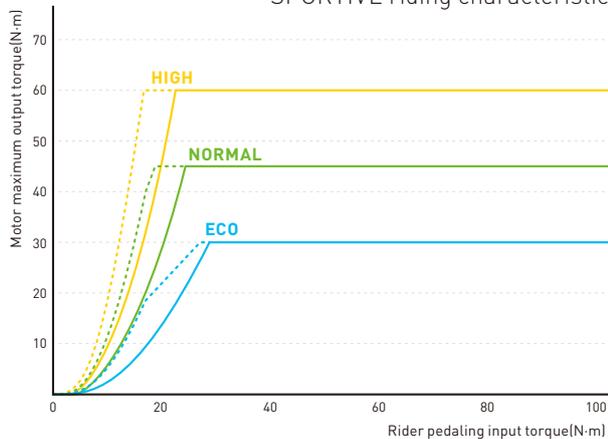
Shimano factory setting (Profile 2) details:



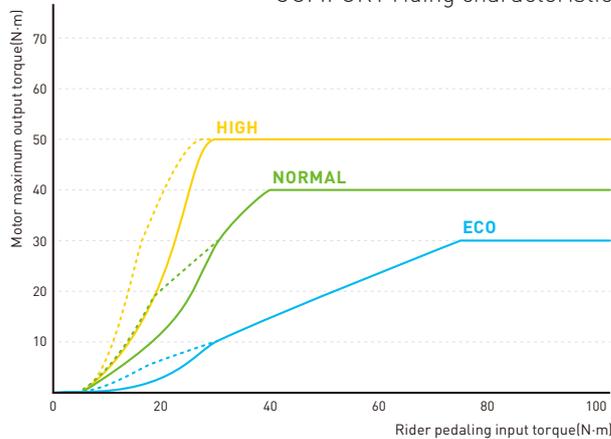
Note: Default level setting of each mode [BOOST, TRAIL, ECO] may vary depending on the settings chosen by each bike brand.
* with cargo drive unit special characteristic

E6100-CRG

SPORTIVE riding characteristic*



COMFORT riding characteristic*



* with cargo drive unit special characteristic

Assist characteristics variation set by E-TUBE PROJECT application

Model		EP800-CRG	
Profile		Profile 1	Profile 2
Assist character	BOOST	Lv.9-350%	Lv.10-400%
	TRAIL	Lv.5-142%	Lv.6-180%
	ECO	Lv.2-40%	Lv.3-60%
Max torque	BOOST	85 N·m	85 N·m
	TRAIL	85 N·m	85 N·m
	ECO	27 N·m	27 N·m
Assist start	BOOST	Lv.5	Lv.5
	TRAIL	Lv.5	Lv.5
	ECO	Lv.5	Lv.5

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

Technical Specifications



1 DU-E6100-CRG

Drive Unit for Cargo Bike Use

- Nominal output: 250 W
- Maximum torque: 60 N·m
- Weight: 2.76 kg
- Standard includes:
- Walk assist *

1 DU-EP800-CRG

Drive Unit for Cargo Bike Use

- Nominal output: 250 W
- Maximum torque: 85 N·m
- Weight: 2.6 kg
- Standard includes:
- Walk assist *



E6100-CRG
TREKKING



EP800-CRG

2 SM-DUE61-TCRG/CCRG

Drive Unit Cover for Cargo Bike

2 DC-EP800-A/B/G

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

- Aggressive MTB riding design



E6100-CRG
CITY

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

- SW-E6010-L operates assist levels

Right Switch Unit for SEIS Shift

- SW-E6010-R operates gear shifting with Di2

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

- Switch between "OFF", "ECO", "TRAIL" and "BOOST" assist modes
- Concave button shape with wider input area

4 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

4 SC-EM800**Wireless Cycle Computer**

- Sleek design can be conveniently positioned without dominating the handlebar
- Color coordinated assist levels for easy on-trail reference
- 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

**5 EW-SD50****Electric Wire SD50****5 EW-SD300****Electric Wire SD300 for External Routing****6 EW-SW100****SD50 Satellite System On/Off Switch for E-bike****6 EW-SW300****SD300 Satellite System On/Off Switch****7 BT-E8016****Battery for Down Tube (630 Wh)**

- Compact and low-center of gravity
- Voltage: 36 V
- Capacity: 17.5 (Ah), 630 (Wh)
- 80% charge in 3.0 hours

7 BM-E8016**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

7 BM-E8030**Integrated Down Tube Battery Mount With Key Unit Mount**

Drive unit, Drive unit cover, Drive unit guard

EP8

EP800 series



DU-EP800-CRG

DU-EP800-CRG **NEW**

Drive Unit for Cargo Bike Use

- Cargo-dedicated version of our powerful and efficient EP-800 drive unit
- Dedicated cargo assist firmware
- Retains all of DU-EP800's great functions and features
 - » Quiet, lightweight, compact & integrated design
 - » Strong heat-resistance on long climbs
 - » Smooth pedaling
 - » Max. output 85 N·m
 - » Walk assist mode
 - » Start mode available when used with a Di2 internal geared hub
 - » Full-automatic shifting available when used with a Di2 internal geared hub
- Weight: 2,600 g



DC-EP800-A
Drive Unit Cover
(Exposed Mounting
Screw Type)



DC-EP800-B
Drive Unit Cover
(Covered Mounting
Screw Type)



DC-EP800-G
Drive Unit Guard



E6100 series



DU-E6100-CRG

DU-E6100-CRG **NEW**

Drive Unit for Cargo Bike Use

- Dedicated cargo assist firmware
- Optimized pedaling efficiency
 - » Compact & integrated design
 - » Smooth pedaling
 - » Max. output 60 N·m
 - » Walk assist mode
 - » Start mode available when used with a Di2 internal geared hub
 - » Full-automatic shifting available when used with a Di2 internal geared hub
- Weight: 2,760 g



NEW
SM-DUE61-TCRG
Drive Unit Cover for Cargo Bike



NEW
SM-DUE61-CCRG
Drive Unit Cover for Cargo Bike

Drive unit

√=Yes

Model no.		NEW	NEW
		DU-EP800-CRG	DU-E6100-CRG
Output characteristics		CARGO	CARGO
Maximum rated power (Watt)		250	250
Maximum torque (N·m)		85	60
Maximum power output (W)		500 W	500 W
Compatible brake type		Disc brake	Disc brake
Compatible BB type		24 mm axle serration	24 mm axle serration
Cable connector		Left side	Right side
Drive unit chain device		CD-EM800 SM-CDE80/70	-
Chain case		-	√
Drive unit cover design		DU-EP800-A/B	E6100 (SM-DUE61-TCRG/CCRG)
Chain line (mm)		50/53/56.5 mm	46.5/50/53 mm
Q-factor		177 mm	180 mm
Di2 compatible	INTER-11	√	√
	INTER-8	√ Automatic available	√ Automatic available
	INTER-7	-	√
	INTER-5E	√ 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		Boost, trail, eco	High, normal, eco
Walk assist function*	On/off (Set by E-TUBE PROJECT)	√	√
	Intelligent	√	√ (Only compatible with Di2)
Power supply for front light/rear light		DC 12 V	DC 12 V
Maximum current supply front and rear light total (A)		2.0	2
Safe way home function		√	√
Port for speed sensor (1 pc)		SD300 type	SD50 type
Torque sensor		√	√
Crank arm position sensor		√	√
Bike speed sensor		EW-SS300/SS301	SM-DUE10/DUE11
Cadence sensor		√	√
Weight (kg) w/o cover		2.6	2.76

Drive unit cover, Drive unit guard

√=Yes

Model no.		NEW			NEW	
		DC-EP800-A	DC-EP800-B	DC-EP800-G	SM-DUE61-TCRG	SM-DUE61-CCRG
Cover	Right	-	-	-	√	√
	Left	√	√	-	√	√
	Bottom	-	-	√	-	-
Available DU angle (deg.)		0 - 60	0 - 60	0 - 60	0 - 60	0 - 60
Note		-	-	-	CARGO logo for DU-E6100-CRG	CARGO logo for DU-E6100-CRG

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

LINKGLIDE 11/10-speed drivetrain



RD-M8130-SGS



RD-M5130-GS



RD-M8130-SGS **NEW**

SHIMANO SHADOW RD+ (1x11-speed)

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

RD-M5130-GS **NEW**

SHIMANO SHADOW RD+ (1x10-speed)

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



CS-LG600-11



CS-LG600-10



CS-LG600-11 **NEW**

LINKGLIDE Cassette (11-speed)

- Durable drive quality and enduring shifting performance.
 - LINKGLIDE drivetrain technology
 - Smooth 2-way shifting (inward and outward)
 - Reduced pedal shock while shifting
- » Longer life with smoother pedaling
 - Triple the durability of HYPERGLIDE+ on e-bikes with high chain tension situation
 - 300% longer wear resistance
- Gear combination: 11-13-15-17-20-23-26-30-36-43-50T

CS-LG600-10 **NEW**

LINKGLIDE Cassette (10-speed)

- Durable drive quality and enduring shifting performance.
 - LINKGLIDE drivetrain technology
 - Smooth 2-way shifting (inward and outward)
 - Reduced pedal shock while shifting
- » Longer life with smoother pedaling
 - Triple the durability of HYPERGLIDE+ on e-bikes with high chain tension situation
 - 300% longer wear resistance
- Gear combination: 11-13-15-17-20-23-26-30-36-43T

		NEW	NEW
Brand			
Model no.		RD-M8130-SGS	RD-M5130-GS
Color		Series color	Series color
Rear speeds		11-speed	10-speed
Compatible chain		HG-X11 11-speed CN-LG500	HG-X11 11-speed CN-LG500
Top-normal spring type		SHIMANO SHADOW RD+	SHIMANO SHADOW RD+
Mount		Direct attachment (conventional)	Direct attachment (conventional)
Mode converter		-	-
Cable adjuster		-	-
Max. front difference		0T	0T
Total capacity		39T	32T
Low sprocket	Max.	50T	43T
	Min.	50T	43T
Top sprocket	Max.	11T	11T
	Min.	11T	11T
Fluoric coated link bushings		7	7
Pulley	Guide pulley bearing	Sealed Bearing	Bush
	Tension pulley bearing	Sealed Bearing	Bush
	Teeth	13T	13T
	Screws material	Stainless steel	Stainless steel
	Sunken type pulley screw	√	√
B-axle	Hollow axle	√	-
	Material	Stainless steel	Stainless steel
	Finish	-	-
B-axle 2	Hollow axle	-	-
	Material	-	-
	Finish	-	-
Bracket body	Material	Aluminum	Aluminum
	Finish	Painted	Painted
P-axle	Material	Steel	Steel
	Finish	-	-
Plate body	Material	GFRP	GFRP
	Finish	-	-
Outer link	Material	Aluminum	Aluminum
	Finish	Painted	Painted
Inner link	Material	Aluminum	Aluminum
	Finish	Painted	Painted
Outer plate	Material	Aluminum	Steel
	Finish	Painted	Painted
Inner plate	Material	Aluminum	TBD
	Finish	Painted	Painted
Cable fixing screw	Material	Stainless steel	Stainless steel
	Finish	-	-
Stroke adjusting screw	Material	Steel	Steel
	Finish	Plated	Plated
Average weight (g)			-
Note		w/Bumper on pully cage	-

		NEW	NEW
Brand		SHIMANO	SHIMANO
Model no.		CS-LG600-11	CS-LG600-10
Type		 LINKGLIDE	 LINKGLIDE
Rear speeds		11-speed	10-speed
Compatible chain		HG-X11, CN-LG 11-speed	HG-X11, CN-LG 11-speed
Combination name (Group name)		11-50T	11-43T
Combination * Titanium gear	1	11-13-15-17-20-23-26-30-36-43-50T	11-13-15-17-20-23-26-30-36-43T
	2	-	-
	3	-	-
	4	-	-
	5	-	-
	6	-	-
	7	-	-
Spline type	MICRO SPLINE	-	-
	HG spline (ROAD 11-speed)	√	√
	HG spline (MTB 7-speed)	-	-
Carbon spider arm	HG spline (Others)	√	√
	QTY (pcs)	-	-
Aluminum spider arm	Finish	-	-
	QTY (pcs)	-	-
Steel spider arm	Finish	-	-
	QTY (pcs)	1	1
Titanium gear	Finish	Plated	Plated
	QTY (pcs)	-	-
Aluminum gear	Finish	-	-
	QTY (pcs)	-	-
Steel gear	Finish	11	10
	QTY (pcs)	Ni-Plated Chrome Cobalt Black Plating	Ni-Plated Chrome Cobalt Black Plating
Lock ring	Finish	-	-
	QTY (pcs)	Steel	Steel
Average weight (g)	Finish	Cr plated	Cr plated
	QTY (pcs)	-	-
Note			

LINKGLIDE 11/10-speed drivetrain



FH-UR600

FH-UR600 **NEW**

Rear FREEHUB for Disc Brake

- Access the smooth and reliable shift performance of LINKGLIDE.
 - » Compatible with 11/10-speed, O.L.D. 135 mm
 - » Durable construction
 - » Included FREEHUB spacer required for use with LINKGLIDE cassettes
 - » Compatible with #13 spoke
- Weight: 381 g



CN-LG500

LINKGLIDE

CN-LG500 **NEW**

LINKGLIDE Chain (10/11-speed)

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

NEW

Brand		SHIMANO
Model no.		FH-UR600
Color	1 Hub Shell	Black
	1 Quick release	Black
	2 Hub Shell	-
	2 Quick release	-
Brake type		CENTER LOCK disc brake
Rear speeds		11/10 *
O.L.D. (mm)		135
Spoke hole	24H	-
	28H	-
	32H	√
	36H	√
10 tooth cog compatible		-
External serration disc brake rotor lock ring	With	-
	Without	√
Internal serration disc brake rotor lock ring	With	-
	Without	√
CENTER LOCK mount cover option		√
Axle fixing method		Quick release
Quick release skewer length (mm)	166	-
	168	√
	170	-
	172	-
	173	√
	174	-
	176	-
	178	-
Thru axle (length x inner diameter ; mm)	135 x 10	-
	135 x 12	-
	142 x 12	-
	148 x 12	-
	150 x 12	-
	157 x 12	-

NEW

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

NEW

Brand		SHIMANO
Model no.		FH-UR600
Flange distance (mm)		55.7
Offset (mm)		7.45
P.C.D. left/right (mm)		44.6/44.6
Flange diameter left/right (mm)		53.5/53.8
Spline type		HG spline (ROAD 11-speed)
Engagement type		Pawl ratchet
Quick engagement		-
Seal	Hub	Contact
	FREEHUB body	Contact
Internal grease sleeve		√
Digital Adjustment system		-
Bearing	Stainless ball	-
	Cup	Polish
	Cone	CBN
	Cartridge	-
FREEHUB body	Material	Steel
	Finish	-
Hub shell	Material	Aluminum
	Finish	Anodized
Axle	Material	Steel
	Finish	-
Quick release lever	Material	Aluminum
	Finish	Anodized
	Color	-
Quick release housing	Material	Aluminum
	Finish	Anodized
Quick release nut	Material	Resin & Steel
	Finish	Black
Disc brake rotor lock ring	Material	-
	Finish	-
Average weight (g) (w/o axle, quick release nor lock ring)		381
Note		* Used with an additional spacer.

Battery



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



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



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



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



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.		BT-E8036	BT-E8035	BT-E8035-L	BT-E8020	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-E6002 EC-E8004	EC-E6002 EC-E8004	EC-E6002 EC-E8004	EC-E6002 EC-E8004	EC-E6002 EC-E8004
Average weight		3.7 kg	2.9 kg	3.15 kg	3.05 kg	3.2 kg

* with SM-BTE80 or EW-CP100

√=Yes

Model no.		BT-E8010	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-E6002 EC-E8004	EC-E6002 EC-E8004	EC-E6002 EC-E8004	EC-E6002 EC-E8004	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



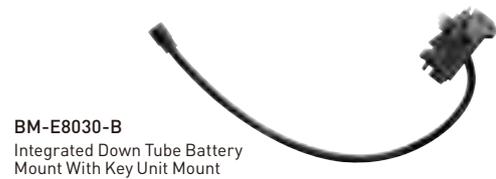
BM-E8016
Battery Mount for Down Tube



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

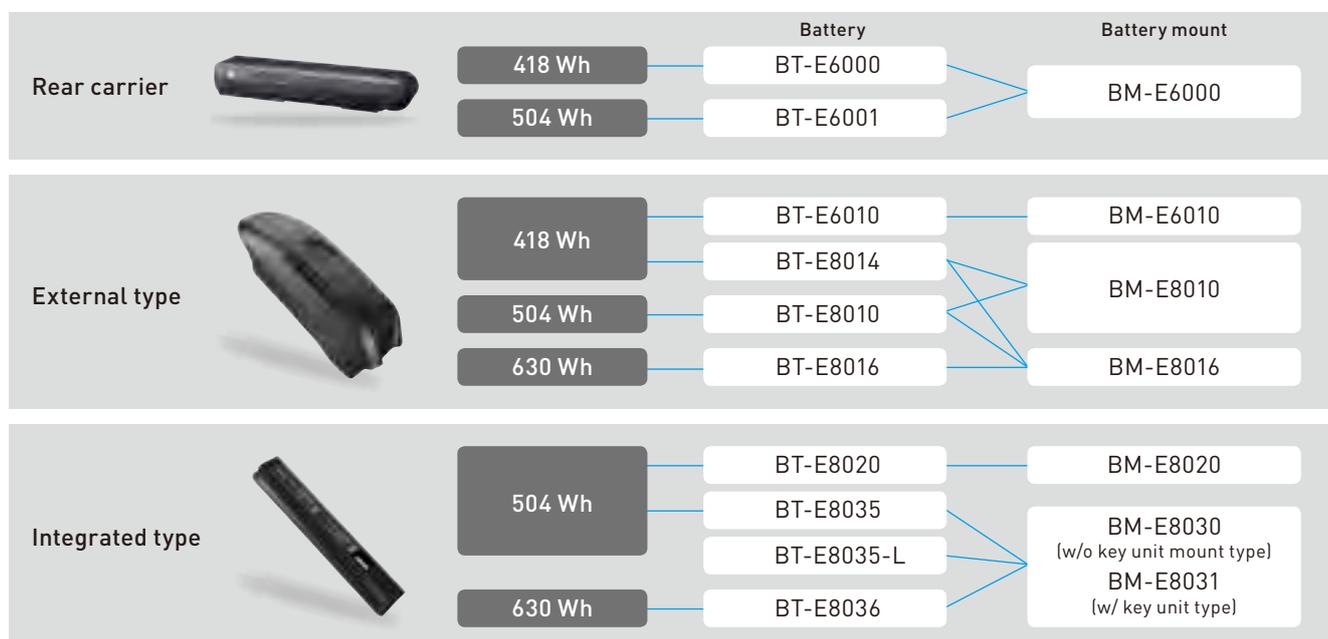
√=Yes

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



SM-BCC1

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



SM-BTE80

SM-BTE60

Battery Charger Adapter

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

SM-BTE80

Battery Charger Adapter

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



EC-E6002



EC-E6002

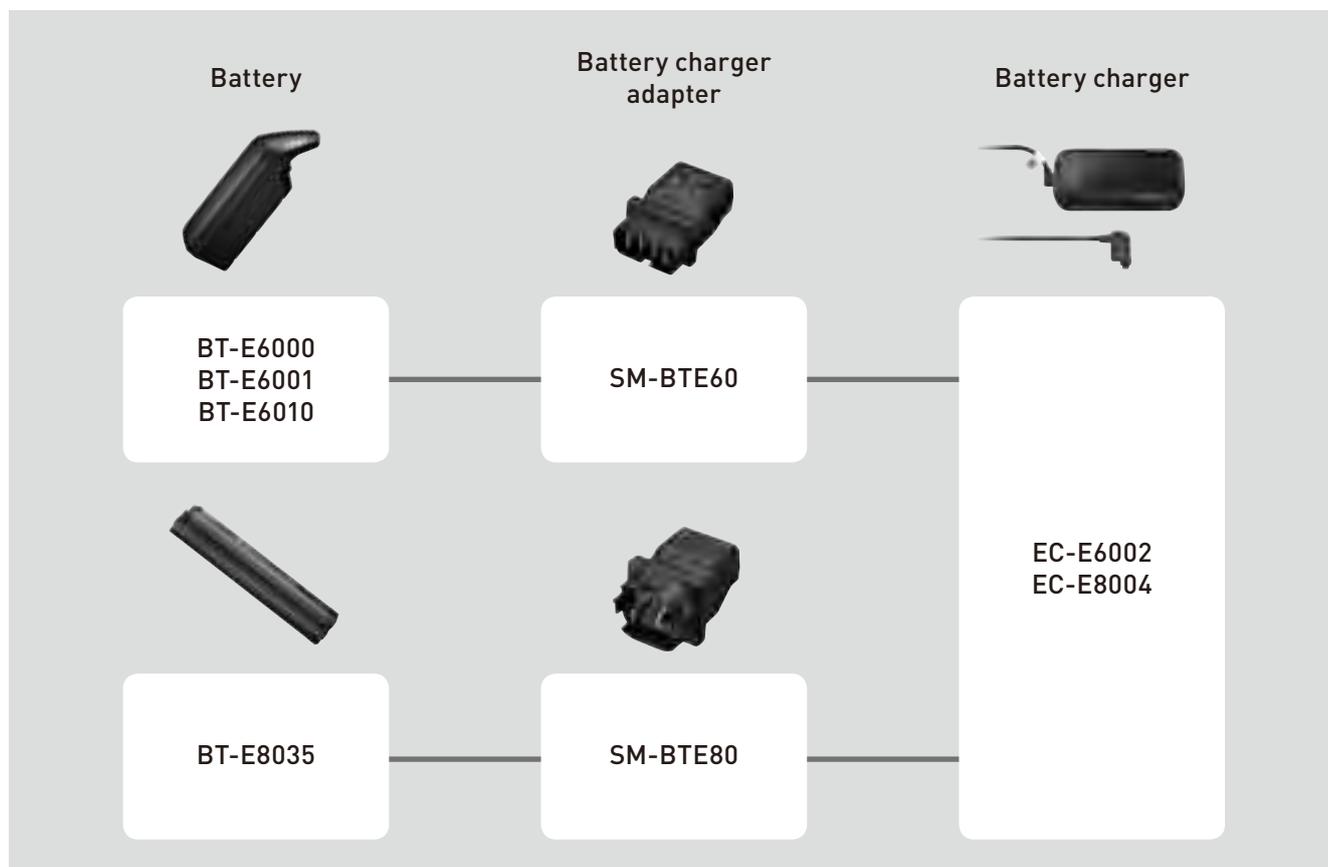
Battery Charger

- 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

Charge Time (EU/NA)

√=Yes

Model no.		EC-E8004	EC-E6002
Equipped with battery 504Wh	Full charge	4.0h/4.5h	7.5h
	80% charge	2.5h/3.2h	4h
Equipped with battery 418Wh	Full charge	3.0h/3.5h	6.5h
	80% charge	2.0h/2.5h	3.5h
Compatible voltage		AC 100 V-240 V 50-60Hz	AC 100 V-240 V 50-60Hz
Plug in charging type		√	√
Charging temperature		32 - 104°F	32 - 104°F
Storage temperature		-4 - 140°F	-4 - 140°F
Error signal		√	√
Compatible AC power cable		-	SM-BCC1
Built-in AC cable (m)		1 m/2 m	-
Size (mm) (LxWxH)		162x73x44	160x70x40
Average weight		550 g (target weight)	523 g



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-E6002
Color	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Plug type	Type C	Type A	Type A	Type O	Type BF	Type C	Type C	-
Typical example country/region	Europe	USA, Canada	Japan	Australia, New Zealand	UK	Korea	Brazil	Worldwide
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
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
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	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)	4.8 (* 5.7)	5.7	5.7	4.8 (* 5.7)	4.8 (* 5.7)	4.8 (* 5.7)	10.2
	80% charge (hour)	3.2 (* 4)	4	4	3.2 (* 4)	3.2 (* 4)	3.2 (* 4)	7.5
Charging time for 504 Wh (464 Wh in Japan) battery	Full charge (hour)	4 (* 4.5)	4.5	4.5	4 (* 4.5)	4 (* 4.5)	4 (* 4.5)	7.5
	80% charge (hour)	2.5 (* 3.2)	3.2	3.2	2.5 (* 3.2)	2.5 (* 3.2)	2.5 (* 3.2)	4
Charging time for 418 Wh (393 Wh in Japan) battery	Full charge (hour)	3.0 (* 3.5)	3.5	3.5	3.0 (* 3.5)	3.0 (* 3.5)	3.0 (* 3.5)	6.5
	80% charge (hour)	2.0 (* 2.5)	2.5	2.5	2.0 (* 2.5)	2.0 (* 2.5)	2.0 (* 2.5)	3.5
Charging level display	-	-	-	-	-	-	-	-
Plug in charging type	√	√	√	√	√	√	√	√
Charging temperature	32 - 104°F	32 - 104°F	32 - 104°F	32 - 104°F	32 - 104°F	32 - 104°F	32 - 104°F	32 - 104°F
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)	2	2	1	1	1	1	1	-
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	* Check latest line-up chart

Charger cord



SM-BCC1
Battery Charger Cord

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

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

Satellite system on/off switch



EW-SW300
SD300 Satellite System On/Off Switch



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

V=Yes

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	1,100
Average weight		23 g	25 g
Note			

Electric wire SD300 & related accessories

EW-SD300

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

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

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-CB300-L(ø35 mm)

EW-CB300-M(ø31.8 mm)

EW-CB300-S(ø22.2 mm)

Electric Wire SD300 Cord Band



EW-CB300-L

EW-CB300-M

EW-CB300-S

EW-CL300-M

(for Brake Hose (ø5 mm))

EW-CL300-S

(for SP Outer Cable (ø4 mm))

Electric Wire SD300 Cord Clip



EW-CL300-M

EW-CL300-S

EW-JC304

Internal 4-Port Junction for EW-SD300

EW-JC302

Internal 2-Port Junction for EW-SD300



EW-JC304

EW-JC302

EW-AD305

EW-AD305

Electric Wire SD300/SD50 Conversion Adaptor



EW-SD300

EW-SD50



EW-SW300

EW-SW300

SD300 Satellite System On/Off Switch

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

EW-SS300

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



EW-GM300-M



EW-GM300-S

EW-GM300-M

(7 mmx8 mm Oval)

EW-GM300-S

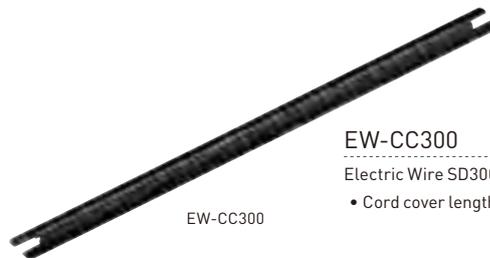
(6 mm Circle)

Di2 Grommet

EW-CC300

Electric Wire SD300 Cord Cover

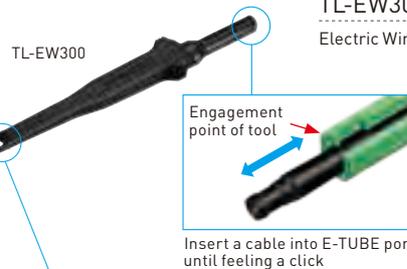
- Cord cover length: 300 mm



EW-CC300

TL-EW300

Electric Wire SD300 Plug Tool



TL-EW300

Engagement point of tool

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

Tool engages with this groove



EW-SD300

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

E-bike cycle computer compatibility with drive unit

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

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

Disc brake rotor



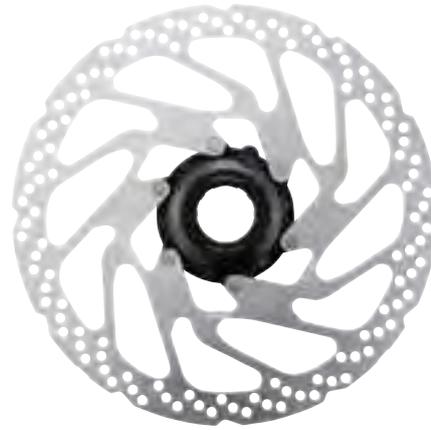
RT-EM910
CENTER LOCK Disc Brake Rotor for E-bike Speed Sensor System (203 mm)



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)



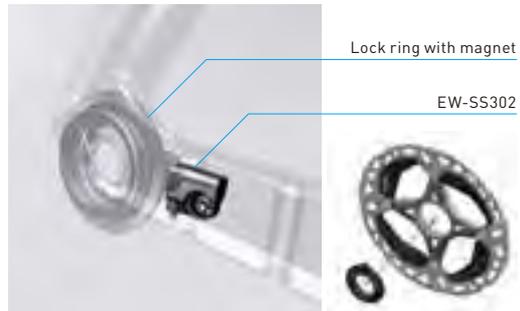
RT-EM300
CENTER LOCK Disc Brake Rotor for E-bike Speed Sensor System (203 mm)



v=Yes

Model no.				RT-EM910	RT-EM810	RT-EM600	RT-EM300
Disc brake rotor type				Narrow type	Narrow type	Narrow type	Wide type
Function				√	√	-	-
				√	√	-	-
Disc brake rotor size	203 mm	Lock ring serration type	External	IRTEM910LE	IRTEM810LE	ERTEM600LEC	ERTEM300L
			Internal	IRTEM910LI	IRTEM810LI	ERTEM600LI3C	
	180 mm	Lock ring serration type	External	IRTEM910ME	IRTEM810ME	ERTEM600MEC	ERTEM300M
			Internal	IRTEM910MI	IRTEM810MI	ERTEM600MI3C	
	160 mm	Lock ring serration type	External	IRTEM910SE	IRTEM810SE	ERTEM600SEC	ERTEM300S
			Internal	IRTEM910SI	IRTEM810SI	ERTEM600SI3C	
	140 mm	Lock ring serration type	External	-	-	-	-
			Internal	-	-	-	
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



EW-SS302 NEW

Disc Brake Speed Sensor (SD300 type)

- Supports frame design flexibility and compatibility
 - » Compact design
 - » Flat mount disc brake specification
- Rotor with magnet lock ring set is available
- Compatible with DU-EP800



NEW

√=Yes

Series	SHIMANO	SHIMANO	SHIMANO	SHIMANO	SHIMANO
Model no.	EW-SS302	EW-SS301	EW-SS300	SM-DUE11	SM-DUE10
Brake spec	Disc	√	√	√	√
	Rim	-	-	√	√
Color	Black	Black	Black	Standard	Standard
Compatible drive unit	EP800	EP800	EP800	E8000/E7000 E6100/E6110 E5000	E8000/E7000 E6100/E6110 E5000
Cable length(mm)	340	-	-	√	√
	540	-	-	√	√
	760	√	√	√	-
	1400	√	√	√	√
Note	w/o magnet set	w/o magnet set	Spoke magnet set included	w/o magnet set	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 Chain

CN-HG601-11
11-Speed Super Narrow Chain

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

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

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

CN-HG71
8-Speed MTB Chain

Chain

v=Yes

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

NEW

v=Yes

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

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-M8110
Flat Mount Disc Brake Caliper



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-SPECEV	I-SPECEV	I-SPECEV	I-SPECEV	I-SPECEV	
Oil bleeding	 ONE WAY BLEEDING	√	-	√	√	-	
	Funnel bleeding tool	√	√	√	√	√	

√=Yes

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			
		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-SPECEV	I-SPECEV	I-SPECEV	
Oil bleeding	 ONE WAY BLEEDING	√	-	√	-	√	
	Funnel bleeding tool	√	√	√	√	√	

√=Yes

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-SPECEV	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			
						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		
			CENTER LOCK		RT-EM600	Standard	203 mm	ERTEM600LEC	BLACK: ERTEM600LI3C SILVER: ERTEM600LIC
							180 mm	ERTEM600MEC	BLACK: ERTEM600MI3C SILVER: ERTEM600MIC
							160 mm	ERTEM600SEC	BLACK: ERTEM600SI3C SILVER: ERTEM600SIC
	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		
	SM-CRE80-12-SB	34T	Without		ISMCRE8012SBA4XL	Y0KJ34100		
					ISMCRE8012SBA6XL	Y0KJ36100		

Chain



Chromizing Treatment Link Pin



Hollow Pin

12-speed

Series	Model no.	Photo	Performance Indicator	E-bike	Outer link plate surface treatment	Inner link plate surface treatment			Weight (114 link)	116L	126L	138L
XT M8100 ULTEGRA R8100	CN-M8100				Gray	Chromizing	X	-	252 g	ICNM8100116Q	ICNM8100126Q	ICNM8100138Q

11-speed

Type	Photo	E-bike	Model no.	Outer link plate surface treatment	Inner link plate surface treatment	Weight (114 link)	116/118L	126L	138L
HG-X11			CN-E8000-11	SIL-TEC	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

NEW LG 11/10/9-speed

Type	Photo	E-bike	Model no.	Outer link plate surface treatment	Inner link plate surface treatment	Weight (114 link)	116/118L	126L	138L
LG			CN-LG500	Gray	Gray	257 g	ICNLG500116Q	ICNLG500126Q	ICNLG500138Q

10-speed

Type	Photo	E-bike	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

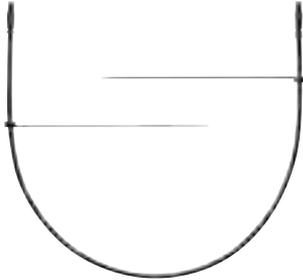
9-speed

Type	Photo	E-bike	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

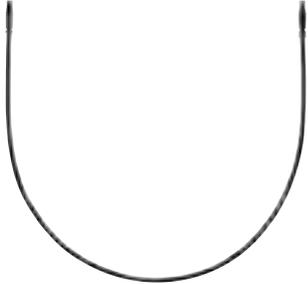
8/7/6-speed

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

Electric wire

Image	Model no.	Description	Length	Code no.			
	EW-SD50		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			
				EW-SD300-I	2nd generation E-TUBE cable for Di2 (For built-in routing)	150 mm	IEWSD300IL015
						200 mm	IEWSD300IL020
250 mm	IEWSD300IL025						
300 mm	IEWSD300IL030						
350 mm	IEWSD300IL035						
400 mm	IEWSD300IL040						
500 mm	IEWSD300IL050						
550 mm	IEWSD300IL055						
600 mm	IEWSD300IL060						
650 mm	IEWSD300IL065						
700 mm	IEWSD300IL070						
750 mm	IEWSD300IL075						
800 mm	IEWSD300IL080						
850 mm	IEWSD300IL085						
900 mm	IEWSD300IL090						
950 mm	IEWSD300IL095						
1000 mm	IEWSD300IL100						
1200 mm	IEWSD300IL120						
1400 mm	IEWSD300IL140						
1600 mm	IEWSD300IL160						

Electric wire

Image	Model no.	Description	Length	Code no.
	EW-SD300	2nd generation E-TUBE cable for Di2 (For external routing)	150 mm	IEWSD300L015
			200 mm	IEWSD300L020
			250 mm	IEWSD300L025
			300 mm	IEWSD300L030
			350 mm	IEWSD300L035
			400 mm	IEWSD300L040
			500 mm	IEWSD300L050
			550 mm	IEWSD300L055
			600 mm	IEWSD300L060
			650 mm	IEWSD300L065
			700 mm	IEWSD300L070
			750 mm	IEWSD300L075
			800 mm	IEWSD300L080
			850 mm	IEWSD300L085
			900 mm	IEWSD300L090
			950 mm	IEWSD300L095
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	-	✓	✓	✓	✓

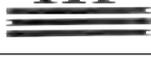
E-TUBE kit

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.
	EW-AD305	EW-SD300	Conversion adapter for EW-SD50 and EW-SD300	IEWAD305
	EW-JC302		2 port junction for EW-SD300	IEWJC302
	EW-JC304		4 port junction for EW-SD300	IEWJC304

Accessories

Image	Model no.	Compatible with	Description	Code no.
	EW-CL300-S	EW-SD300	Cord Clip for EW-SD300 and SP outer casing/brake hose: ø 4	Y7HS10000
	EW-CL300-M		Cord Clip for EW-SD300 and SP outer casing/brake hose: ø 5	Y7HS20000
	EW-CB300-S		Cord Band for EW-SD300 and ø22.2 handle bar	Y7HX01000
	EW-CB300-M		Cord Band for EW-SD300 and ø31.8 handle bar	Y7HX02000
	EW-CB300-L		Cord Band for EW-SD300 and ø35 handle bar	Y7HX03000
	EW-CC300		Cord fixing tape for EW-SD300: Black	IEWCC300LA
		Cord fixing tape for EW-SD300: White	IEWCC300WA	
	SM-EWC2	EW-SD50	Wire Covers: Black	ISMEWC2L
			Wire Covers: White	ISMEWC2W
	EW-GM300-S	EW-SD300	Frame grommet for EW-SD300 (6 mm CIRCLE)	Y7HN01000
	EW-GM300-M		Frame grommet for EW-SD300 (7 x 8 mm)	Y7HN02000
	SM-GM01	EW-SD50	Frame Grommets: (6 mm CIRCLE) X 4	ISMGM01
	SM-GM02		Frame Grommets: (7 X 8 mm) X 4	ISMGM02
	SM-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	IETUBEKIT3EB (English) IETUBEKIT3GB (German)
	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 cup 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 cup 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 cup 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 allow Shimano QUICK-LINK to be installed and removed manually Simple and easy to use Ergonomic and comfortable handles offer excellent grip Wire latch holds handles together when not in use Great to use at home and in the workshop
Code no.	Y13022000



TL-CN28

6-11-speed compatible chain tool



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

Spare arrow

Code no. Y13098190



**TL-CN29**

9-12-speed compatible chain tool



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

**Spare arrow**

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

**TL-EW300**

Plug tool for connection and disconnection of Electric wire

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

**TL-EW02**

Plug tool for connection and disconnection of Electric wire

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

**TL-DUE60**

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-BME02**

Measurement tool for the installation of battery mounts

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

**TL-BME03**

Measurement tool for the installation of battery mounts

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

**TL-BME04**

Measurement tool for the installation of battery mounts

Usage	Measurement tool for installation of BM-E8030/BM-E8031 Position adjustment tool for installation of key cylinder
Compatibility	BM-E8030/BM-E8031
Code no.	Y13000050

**TL-BME05**

Measurement tool for the installation of battery mounts

Usage	Measurement tool for installation of BM-E8030/BM-E8031 Position adjustment tool for 630 Wh battery case and installation of key cylinder
Compatibility	BM-E8030/BM-E8031
Code no.	Y13000070

Service & Warranty

ALWAYS THERE

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

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



FAQ

SHIMANO STEPS FAQ
<https://si.shimano.com/iFAQ/STP0A>

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

E-TUBE PROJECT Cyclist 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

