

EU Declaration of Conformity(DoC)

We,
SHIMANO INC.
3-77 Oimatsu-cho, Sakai-ku, Sakai City, Osaka 590-8577, Japan
declare under our sole responsibility that the product:

Product: Component for electrically power assisted cycles
Trade name: SHIMANO
Type or model: SHIMANO STEPS EP801 series

to which this declaration relates complies with the provisions of following European Directives.

Electromagnetic Compatibility - Directive 2014/30/EU
[EMC]

Machinery Directive 2006/42/EC
[MD] Technical File complied from manufacturers documentation, and
held in the EEA on behalf of the manufacturer by Shimano Europe
B.V. (Address: High Tech Campus Eindhoven 92, 5656 AG,
Eindhoven, The Netherlands)

Restriction of the Use of certain Hazardous Substances
in Electrical and Electronic Equipment (RoHS) - Directive 2011/65/EU
[RoHS]

Low Voltage Directive 2014/35/EU
[LVD]

Low Voltage Directive 2014/35/EU is adopted for battery charger only

The product is in conformity with following standards and/or other normative documents:

EN 15194:2017+A1:2023 (System)

[EMC] (Battery charger only)
EN 55014-1:2017+A11:2020
EN 55014-2:2015
EN 61000-3-2:2014
EN 61000-3-3:2013

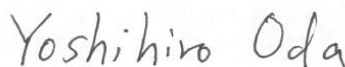
[MD] EN ISO 12100:2010
EN 60204-1: 2018
EN ISO 13849-1: 2015
EN ISO 13849-2: 2012
EN 15194:2017

[RoHS] EN IEC 63000:2018

[LVD] (Battery charger only)
EN 60335-1:2012+AC:2014+A11:2014+A13:2017+A1:2019+A14:2019+A2:2019+A15:2021
EN 62233:2008
EN 60335-2-29:2021+A1:2021

Place and date of issue (of this DoC): Sakai , Japan /
Signed by or for the manufacturer:

August 8, 2025



(Signature of authorized person)

Name (in print): Yoshihiro Oda
Title: R&D Strategy Department Manager

UK Declaration of Conformity(DoC)

We,
SHIMANO INC.
3-77 Oimatsu-cho, Sakai-ku, Sakai City, Osaka 590-8577, Japan
declare under our sole responsibility that the product:

Product: Component for electrically power assisted cycles
Trade name: SHIMANO
Type or model: SHIMANO STEPS EP801 series

to which this declaration relates complies with the provisions of following UK legislations.

Electromagnetic Compatibility Regulations 2016
[EMC]

Supply of Machinery (Safety) Regulations 2008
[MD]

The Restriction of the Use of Certain Hazardous Substances
in Electrical and Electronic Equipment Regulations 2012
[RoHS]

Electrical Equipment (Safety) Regulations 2016
[LVD]

Electrical Equipment (Safety) Regulations 2016 is adopted for battery charger only

The product is in conformity with following standards and/or other normative documents:

EN 15194:2017+A1:2023 (System)

[EMC] (Battery charger only)
EN 55014-1:2017+A11:2020
EN 55014-2:2015
EN 61000-3-2:2014
EN 61000-3-3:2013

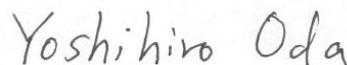
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Place and date of issue (of this DoC): Sakai , Japan /
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Name (in print): Yoshihiro Oda
Title: R&D Strategy Department Manager

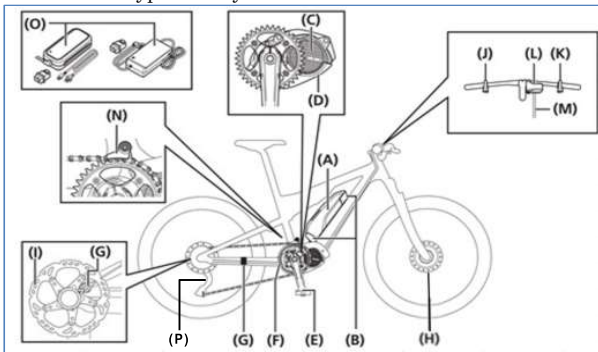
Description

Product Information

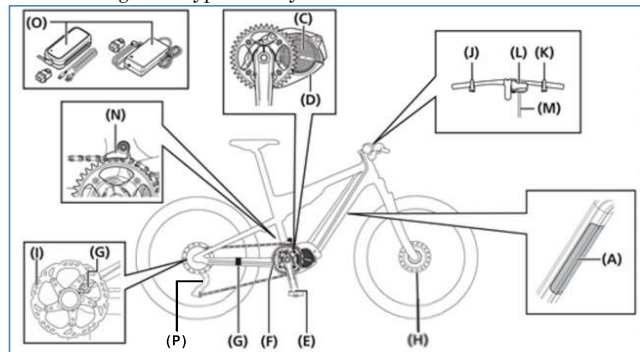
Model Name	Component for electrically power assisted cycles
Model No.	SHIMANO STEPS EP801 series
Product Specifications	
Operating temperature range	-10 – 50 °C (Discharge) 0 – 40 °C (Charge)
Charging voltage	100 – 240 V AC
Nominal capacity	11.6 Ah (BT-EN604, BT-EN404, BT-EN404-A) 14 Ah (BT-EN605, BT-EN805L, BT-EN805, BT-EN405, BT-EN405-A) 17.5 Ah (BT-EN606, BT-EN806)
Rated voltage	36 V DC
Battery type	Lithium Ion Battery
Drive unit type	Midship
Rated drive unit power	250 W

System diagram

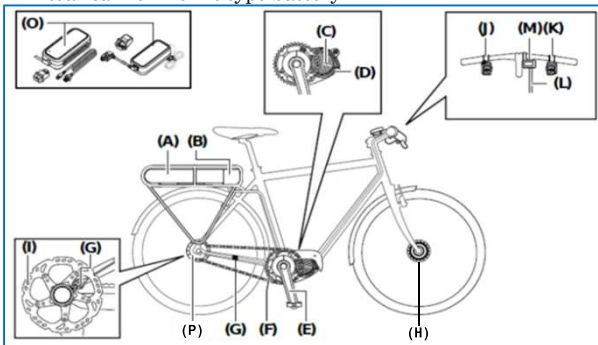
External type battery



Integrated type battery



Rear carrier mount type battery



- (A) Battery(*1)
 -External type battery : BT-EN604 / BT-EN605 / BT-EN606
 -Built-in type battery : BT-EN805 / BT-EN805-L / BT-EN806
 -Rear carrier mount type battery : BT-EN404 / BT-EN405 / BT-EN404-A / BT-EN405-A
- (B) Battery mount
 External type battery : BM-EN600
 Integrated type battery : BM-EN800-A / BM-EN800-B / BM-EN801-A / BM-EN801-B
 -Rear carrier mount type battery : BM-EN400-A / BM-EN400-B
- (C) Drive unit
 DU-EP801 / DU-EP801-CRG
- (D) Drive unit cover (left side and bottomside)
 DC-EP801-A / DC-EP801-B / DC-EP801-G
- (E) Crank arm
 FC-EM600 / FC-EM900 / FC-M8150
- (F) Chainring unit
 SM-CRE80-12-SB / CR-EM800 / SM-CRE80-12-B / SM-CRE70-12
 SM-CRE80-B / SM-CRE80 / SM-CRE70 / CR-ET600 / SM-CRE61
- (G) Speed sensor(*2)
 EW-SS300 / EW-SS301 / EW-SS302

- (H) Disc brake rotor(Front)
 RT-EM800 / RT-EM810 / RT-EM900 / RT-EM600 / RT-EM300 / RT-MT800 / RT-MT900 / RT-CL800 / RT-CL900
 SM-RT70 / SM-RT64 / SM-RT30
- (I) Disc brake rotor(Rear) and Hydraulic Disc Brake
 RT-EM810 / RT-EM910 / RT-MT800 / RT-MT900 / RT-CL800 / RT-CL900
 RT-EM600 / RT-EM300 / SM-RT70 / SM-RT64 / SM-RT30
 BR-M9220 / BR-M8220 / BR-M9120 / BR-M8120
- (J) Switch unit (assist switch)
 SW-EM800-L / SW-EN600-L
- (K) Switch unit (shifting switch) or shifting lever
 SW-M8150-R / SW-M8150-IR / SW-EN600-R / SW-EN605-R
 SW-M9250-R / SW-M9250-IR / SW-M8250-R / SW-M8250-IR / SW-M6250-R / SW-M6250-IR
 ST-R9270-R / ST-R9270-L / ST-R8170-R / ST-R8170-L / ST-R7170-R / ST-R7170-L / ST-RX825-R / ST-RX825-L / ST-RX715-R
 SW-M8250-R / SW-M8250-IR / SW-M9250-R / SW-M9250-IR
 SL-M8100-R / SL-M8100-IR / SL-M8130-R11 / SL-M8130-IR11
 SL-C7000-5 / SL-C6000-8 / SL-C3000-7 / SL-S700 / SL-S7000-8
- (L) Cycle computer or junction [B]
 SC-EM800 / SC-EN600 / SC-EN610 / SC-EN500
 EW-JC302 / EW-JC304
- (M) Electric wire
 EW-SD300
- (N) Chain device
 CD-EM800 / SM-CDE80
- (O) Battery charger
 EC-E6002 / EC-E8004 / SM-BTE80 / SM-BCC1
- (P) Shifting unit(*3)
 RD-U8050-SGS / RD-U8050-GS / RD-U6050 / RD-U6070 / MU-UR520 / MU-UR510
 RD-M9260-12 / RD-M9260-11L / RD-M8260-12 / RD-M8260-11L / RD-M6260-12 / RD-M6260-11L
 RD-M8150-12 / RD-M8150-11 / RD-M8100-SGS / RD-M8120-SGS / RD-M8130-SGS
 SG-C7050-5D / SG-C7051-8 / SG-C7051-11 / SG-C6061-8D
 SG-C7050-5R / SG-C7050-5V / SG-C6061-8R / SG-C6061-8V
 SG-C7000-5D / SG-C3001-7D / SG-S7001-8 / SG-S7001-11
 SG-C7000-5R / SG-C6011-8R / SG-C6001-8R / SG-C7000-5V / SG-C6011-8V / SG-C6001-8V / SG-C3001-7R
- Satellite System ON OFF Switch
 EW-SW310
- Satellite Charging Port
 EW-CP100

- *1 Attach the battery mount and battery inside the frame.
 Depending on the assist bicycle, the battery may be installed
 at a location different from the position specified in the figure.
- *2 Attach it to one of the two locations specified in the figure.
- *3 Electronic gear shifting: Di2 rear derailleur or
 motor unit + Di2 internal geared hub.
 Mechanical gear shifting: rear derailleur or internal geared hub.

Description

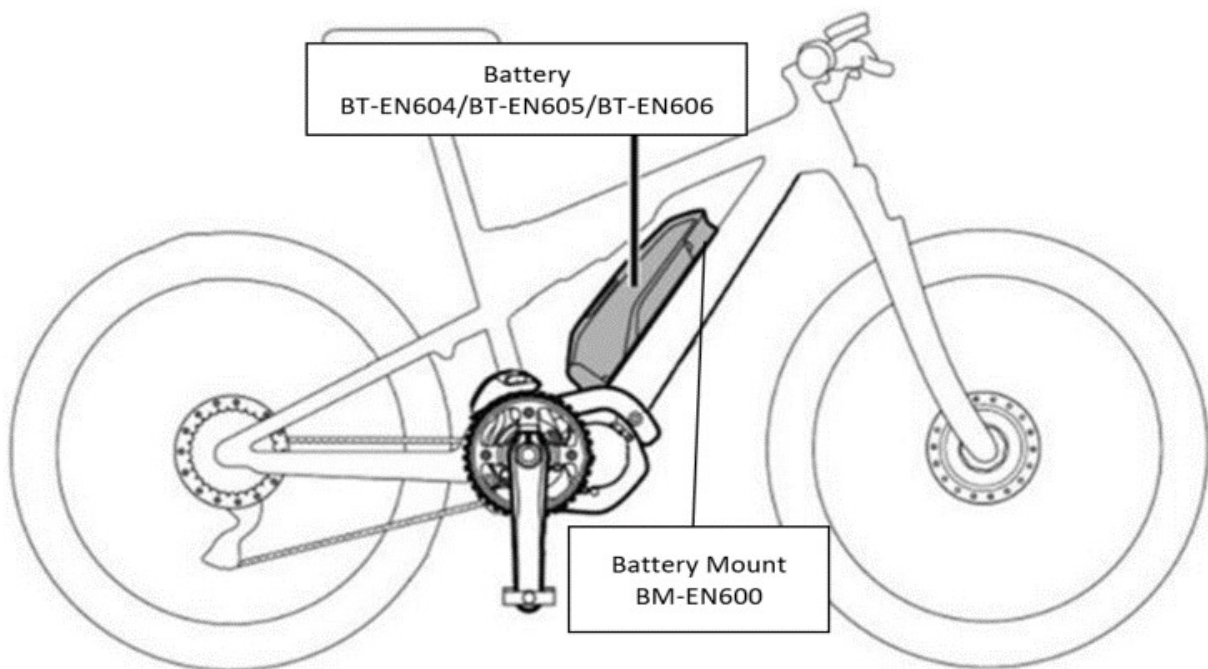
PRODUCT INFORMATION

MODEL NAME	Lithium ion Battery
MODEL No.	BT-EN604 / BT-EN605 / BT-EN606
Nominal capacity	11.6 Ah (BT-EN604)
	14 Ah (BT-EN605)
	17.5Ah (BT-EN606)
Rated voltage	36 V DC
Application	E-Bike (SHIMANO STEPS EP801)
Operating temperature range	-10 – 50 °C (Discharge)
	0 – 40 °C (Charge)



PRODUCT USAGE

BT-EN604 / BT-EN605 / BT-EN606 is applicable to SHIMANO EP801 E-bike.
BT-EN604 / BT-EN605 / BT-EN606 is charged by EC-E6002 / EC-E8004 charger.



Description

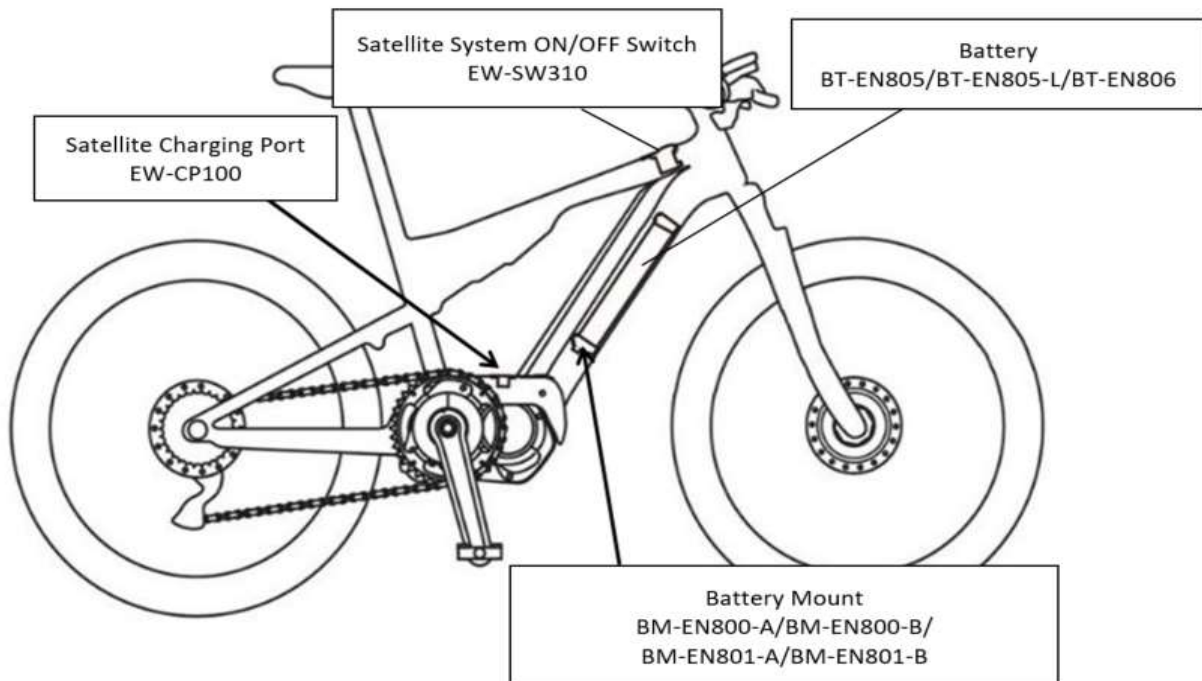
PRODUCT INFORMATION

MODEL NAME	Lithium ion Battery
MODEL No.	BT-EN805 / BT-EN805-L / BT-EN806
Nominal capacity	14 Ah (BT-EN805 / BT-EN805-L) 17.5Ah (BT-EN806)
Rated voltage	36 V DC
Application	E-Bike (SHIMANO STEPS EP801)
Operating temperature range	-10 – 50 °C (Discharge) 0 – 40 °C (Charge)



PRODUCT USAGE

BT-EN805 / BT-EN805-L / BT-EN806 is applicable to SHIMANO EP801 E-bike.
BT-EN805 / BT-EN805-L / BT-EN806 is charged by EC-E6002 / EC-E8004 charger.



Description

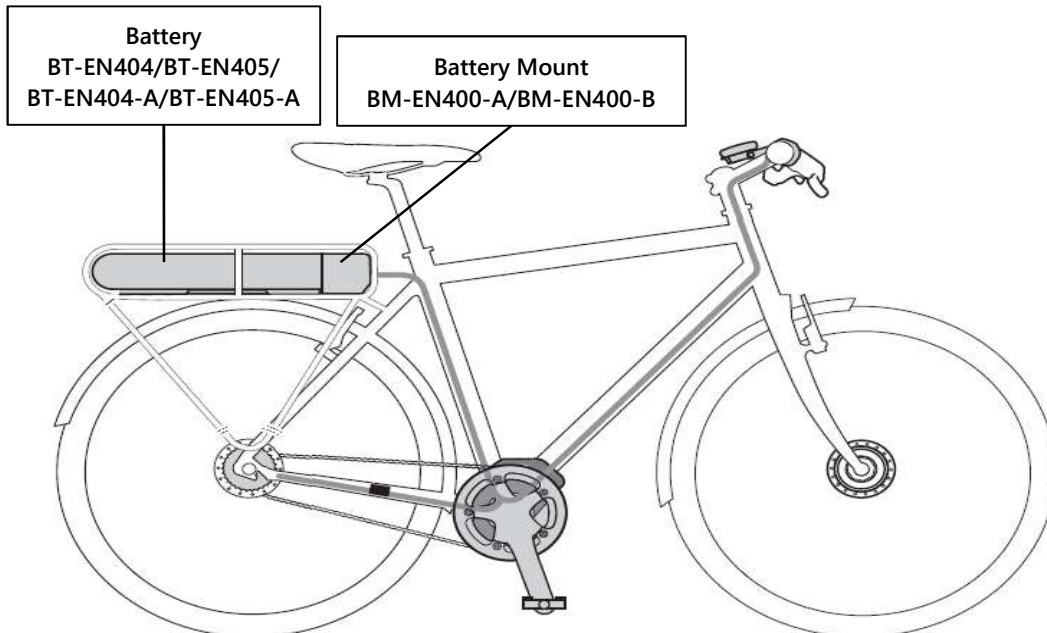
PRODUCT INFORMATION

MODEL NAME	Lithium ion Battery
MODEL No.	BT-EN404 / BT-EN405 / BT-EN404-A / BT-EN405-A
Nominal capacity	11.6 Ah (BT-EN404 / BT-EN404-A) 14 Ah (BT-EN405 / BT-EN405-A)
Rated voltage	36 V DC
Application	E-Bike (SHIMANO STEPS EP801)
Operating temperature range	-10 – 50 °C (Discharge) 0 – 40 °C (Charge)



PRODUCT USAGE

BT-EN404 / BT-EN405 / BT-EN404-A / BT-EN405-A is applicable to SHIMANO EP801 E-bike.
BT-EN404 / BT-EN405 / BT-EN404-A / BT-EN405-A is charged by EC-E6002 / EC-E8004 charger.



Description

PRODUCT INFORMATION

MODEL NAME	Battery charger
MODEL No.	EC-E6002 / EC-E8004
Input	100 – 240 V AC 1.5A 50/60 Hz (EC-E6002) 100 – 240 V AC 1.9 - 0.9A 50/60 Hz (EC-E8004)
Output	42 V DC, 1.8 A (EC-E6002) 42 V DC, 4 – 4.6A (EC-E8004)
Operating TEMP.	0 – 40 °C
Application	E-Bike (SHIMANO STEPS EP801)

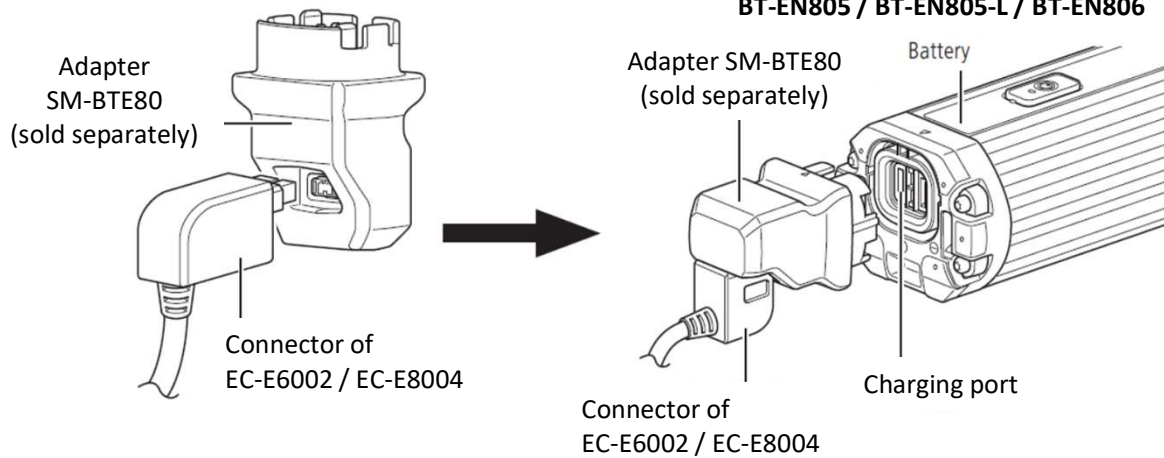
Appearance



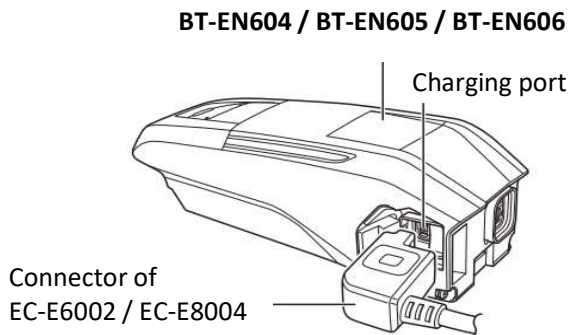
Operate

When charging the battery alone

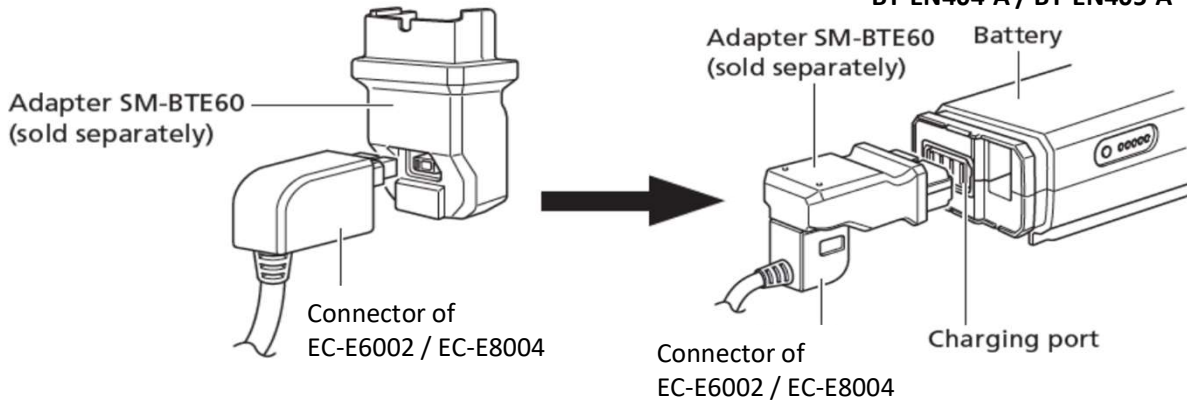
BT-EN805 / BT-EN805-L / BT-EN806



BT-EN604 / BT-EN605 / BT-EN606



BT-EN404 / BT-EN405 / BT-EN404-A / BT-EN405-A



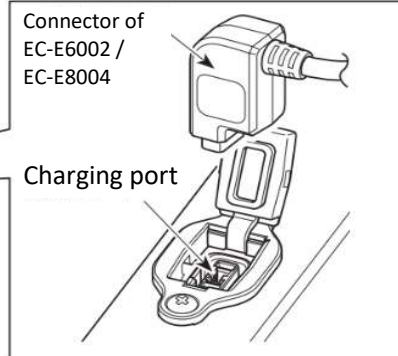
Charging the battery while installed onto the bicycle

BT-EN805 / BT-EN805-L / BT-EN806

The position of the satellite charging port differs depending on the frame design.



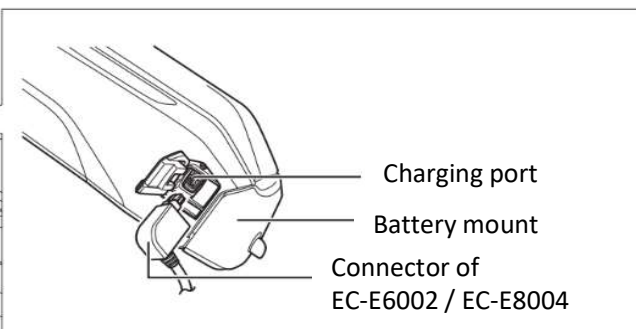
BT-EN805 / BT-EN805-L / BT-EN806



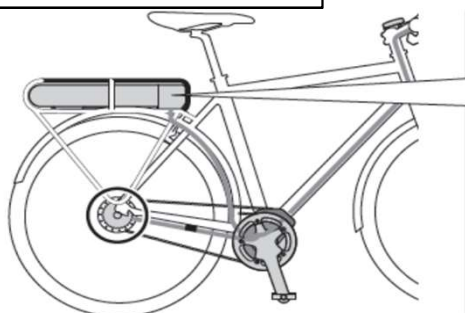
BT-EN604 / BT-EN605 / BT-EN606



BT-EN604 / BT-EN605 / BT-EN606



BT-EN404 / BT-EN405 / BT-EN404-A / BT-EN405-A



BT-EN404 / BT-EN405 / BT-EN404-A / BT-EN405-A

