**Battery Charger (EC-E6000)**

**Important Notice**
- Contact the place of purchase or a bicycle dealer for information on installation and adjustment of the products which are not found in the user’s manual. A dealer’s manual for professional and experienced bicycle mechanics is also available on our website.
- Do not disassemble or alter this product.

**Important Safety Instructions**
- Save these instructions - This manual contains important safety and operating instructions for SHIMANO STEPS battery chargers. For replacement information, contact the place of purchase or a bicycle dealer.
- In order to avoid hazards or injury to others, be familiar with any other injury from fluid leakage, overheating, fire, or explosion.

**Danger**
- Do not get the charger wet or use it while it is wet, and do not touch or hold it with wet hands. If this is not observed, problems with operation or electric shock may occur.
- Do not cover the charger with clothes while it is in use. If this is not observed, heat may build up and the case may become deformed, or fire or overheating may occur.
- Do not disassemble or modify the charger. If this is not observed, electric shocks or injury may occur.
- Use the specified battery and charger combination for charging and observe the specified charging conditions. Not doing so may cause overheating, bursting, or ignition of the battery.

**Warning**
- Be sure to hold the power cable by the power plug when connecting to and disconnecting from the electrical outlet. If you do not hold the power cable by the power plug, fire or electric shocks may occur. If the following occurs, stop using the device and contact a dealer. A fire or electric shock may be caused.
  - If a heat or electric shock problem is occurring from the power plug.
  - If there is a bad connection inside the power plug.
  - If not touch metal parts of the power plug or AC adapter. If there is a lighting storm.
  - If lightning strikes, electric shocks may occur.
  - If not overload the electrical outlet with appliances beyond its rated capacity, and use only a 100 – 240 V AC electrical outlet. If the electrical outlet is overloaded by connecting too many appliances using adapters, overheating may cause a fire or electric shock.
  - Do not damage the power cord or power plug. (Do not damage, process, let near hot objects, bend, twist or pull them; do not place heavy objects on top or bundle them tightly.) If they are used while damaged, fire, electric shocks or short-circuits may occur.
  - Do not overload the electrical outlet. If you do not hold the power cable by the power plug, fire or electric shocks may occur. If the following occurs, stop using the device and contact a dealer. A fire or electric shock may be caused.
  - If heat or electric shock problem is occurring from the charger.

**Note**
- The battery can be charged within a temperature range of 0 to 40 °C. The charger does not work in temperatures outside this range and displays an error. (The LED lamp on the charger blinks.)
- Do not leave the battery outdoors in environments with extremely high or low humidity.
- Charge the battery indoors to avoid exposure to rain or snow.
- Do not place the charger on the floor or other dusty places when using it.
- Place the charger on a stable surface such as a stable table when using it.
- Do not place any objects on top of the battery charger or its cable. Do not place a cover on it either.
- Do not handle the cables.
- Do not hold the battery charger by the cables when carrying it.
- Do not apply excessive tension to the cables and charger plug.
- Do not wash the battery charger or expose it to water. (Caution: Do not use water or any cleaning products to wash the charger.)
- Do not allow children to play near the product. When charging the battery while it is mounted on the bicycle, be careful not to trip over the charger cable or accidentally damage the charger plug, etc.
- When charging the battery while it is mounted on the bicycle, be careful of the following:
  - Do not remove the battery from the battery mount while charging.
  - Do not ride with the charger mounted.
  - Make sure to close the charging port after charging. If foreign matter such as dirt or dust adheres to the battery charger, the charger plug, etc.
- Products are not guaranteed against normal wear and deterioration from normal use and aging.
- For maximum performance we highly recommend Shimano’s lubricants and maintenance products.
- Charging can be carried out at any time, regardless of the remaining battery, but please fully charge the battery for the following cases.
  - The battery is not fully charged at the time of purchase. Before riding, be sure to fully charge the battery.
  - The battery has been completely discharged, and then charged again. In this case, wait for approx. 30 minutes before charging.
- Avoid using the battery under conditions which are outside the normal operating temperature range, otherwise the battery may not operate or its performance may deteriorate.
- If the temperature of the battery is high, charging time will increase.

**Charging Method**

1. Plug the charger’s power plug into the outlet.
2. Plug the charging plug into the charging port.

**Charging times from empty (0% remaining charge) are as follows.**

- **BT-E6000-ET6010:** About 4 hours 10 minutes
- **BT-E6010-ET6010:** About 5 hours

**Troubleshooting**
- **The battery cannot be charged.**
  - Is the charger’s power plug securely inserted into the electrical outlet? Unplug and then reconnect the charger’s power plug, and then repeat the charging operation. If the charger still cannot be charged, contact the place of purchase.
  - Are the charging adapter and charging plug, and the charging adapter and port, all securely mounted? When charging the battery while it is installed on the bicycle, the charger plug securely connected to the battery.
  - If you have made sure that all connecting parts are securely connected, charge again. If the battery still cannot be charged, contact the place of purchase.
- **The battery does not start discharging when the charger is connected.**
  - The temperature of the battery or charger may exceed the operating temperature range. Stop charging, wait for a while and then recharge again. If the battery still cannot be charged, contact the place of purchase.
  - The charger is being charged.
  - If the charger is being used continuously to charge batteries, it may become warm. Make sure there are no foreign objects inside the connector; if there are, the charger cannot be used. Contact the place of purchase.
  - The LED lamp on the charger does not light up.
  - Are the charger and charger power plug, and the charger plug and port, all securely mounted? If they are not securely connected, check the place of purchase.
- **The battery cannot be secured.**
  - Is the charger fully charged? If the battery full charged, the LED lamp on the battery charger turns off, but this is not a malfunction. Disconnect and then reconnect the charger and the charger power plug. If the LED lamp on the charger still does not light, contact the place of purchase.
  - The battery cannot be charged.
  - Disconnect and then reconnect the charger.
  - The battery cannot be secured.
  - Is the device coming out from the battery. Stop using the battery immediately and contact the place of purchase.
  - The charger cannot be secured. If the device coming out from the battery, stop using the battery immediately and contact the place of purchase.

**Cycle computer power plug is still not charge.**
- Is it charging? The power cannot be turned on until the charger is connected to the battery and then turned on. The charger will not turn on when the battery is connected. If the charger turns on while the cycle computer plug is used, it will finally shut down.

**The charge is indicating as charged.**
- Is the charger fully charged? Is the battery charged? If the battery is not charged, the device cannot use battery power. The charger does not accept any interference received, including interference that may cause transmission errors.