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HERISKEER HRK-210E-16S

HERISKEER 60V Electric Scooter 3A Fast Charger User Manual

Model: HRK-210E-16S

INTRODUCTION

This user manual provides essential information for the safe and efficient operation of your HERISKEER 60V Electric Scooter 3A Fast Charger. This charger is designed for 60V (16S) Lithium-ion battery packs and features a specific 3-pin GX16 connector. It offers intelligent high-speed charging with built-in safety protections.

Please read this manual thoroughly before use to ensure proper functionality and to prevent damage to the charger or your electric scooter.

IMPORTANT SAFETY INFORMATION

- **Compatibility:** This charger is specifically designed for **60V (67.2V Max) Lithium-ion batteries** with a **GX16 3-Hole connector**. It is **NOT compatible with 36V or 48V** electric bikes or scooters. Verify your scooter's voltage and connector type before use.
- **Indoor Use Only:** This charger is intended for indoor use in a dry environment. Avoid exposure to moisture, rain, or extreme temperatures.
- **No User Serviceable Parts:** Do not open or attempt to repair the charger. There are no user-serviceable parts inside. Refer all servicing to qualified personnel.
- **Lithium Battery Charging:** Always charge Lithium-ion batteries with a Lithium-compatible charger. Using a charger designed for Sealed Lead Acid (SLA) batteries may damage both the charger and the battery.
- **Physical Damage:** Electronic components are delicate. Avoid dropping the charger on hard surfaces like concrete or asphalt, as this can cause internal damage.
- **Ventilation:** Ensure adequate ventilation around the charger during operation to prevent overheating.
- **Supervision:** Do not leave charging batteries unattended for extended periods.
- **Disconnect After Charging:** Disconnect the charger from the scooter and the power outlet once charging is complete.

SETUP AND CONNECTION

Before connecting the charger, ensure your electric scooter's battery voltage is 60V and that its charging port uses a GX16 3-Hole connector.



Figure 1: The HERISKEER 60V Electric Scooter 3A Fast Charger, showing the main unit, AC power cord, and DC output cable with the 3-prong connector.



Figure 2: A close-up view of the GX16 3-Hole connector, which is the output plug of the charger.



Figure 3: Diagram illustrating the pinout and polarity of the M16 3-prong inline connector. Ensure your scooter's charging port matches this configuration.

1. Connect the AC power cord to the charger's input port.

2. Plug the AC power cord into a standard 100V-240V AC ~50/60Hz wall outlet.
3. Connect the 3-pin GX16 output connector of the charger to the charging port of your 60V electric scooter. Ensure a secure and proper fit.

Once connected, the charging process will begin automatically.

OPERATING INSTRUCTIONS

The charger features an LED indicator to display the charging status:

- **RED LED:** Indicates that charging is in progress.
- **GREEN LED:** Indicates that the battery is fully charged or the charger is disconnected from the scooter.

The charger incorporates a smart fan system for efficient cooling:



Figure 4: Illustration of the intelligent program control fan. The fan adjusts its speed based on internal temperature, reducing noise and conserving energy when the current draw is low.

Once the GREEN LED illuminates, the battery is fully charged. Disconnect the charger from the scooter first, then from the wall outlet.

MAINTENANCE

- Keep the charger clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Store the charger in a cool, dry place when not in use.
- Regularly inspect the power cord and output cable for any signs of damage (fraying, cuts). Do not use the charger if any cables are damaged.
- Ensure proper ventilation during charging to prevent overheating. Do not cover the charger.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Charger LED does not light up or remains green when connected.	<ul style="list-style-type: none">• No power from outlet.• Loose connection.• Battery already fully charged.• Incorrect battery voltage (not 60V).• Charger or battery fault.	<ul style="list-style-type: none">• Check the wall outlet with another device.• Ensure all connections (AC cord to charger, charger to outlet, charger to scooter) are secure.• If the LED is green, the battery may already be full.• Verify your scooter's battery is 60V. This charger is not compatible with 36V or 48V systems.• If issues persist, contact customer support.
Charging is slow.	<ul style="list-style-type: none">• Battery capacity is very large.• Environmental temperature is too low.	<ul style="list-style-type: none">• Charging time varies with battery capacity.• Ensure charging is done in a suitable temperature range (typically 0°C to 40°C).
Charger gets warm during charging.	<ul style="list-style-type: none">• Normal operation.• Poor ventilation.	<ul style="list-style-type: none">• It is normal for the charger to generate heat during operation.• Ensure the charger is placed in a well-ventilated area and not covered. The smart fan will help dissipate heat.

PRODUCT SPECIFICATIONS

Model	HRK-210E-16S
Input Voltage	100V-240V AC ~50/60Hz, 2A
Output Voltage	67.2V DC
Output Current	3.0A Max
Connector Type	GX16 3-Hole (3-Prong Inline)
Cord Length	8.5 ft
Product Dimensions	5 x 2 x 1 inches (approx.)

Item Weight	14.4 ounces (approx.)
Safety Protections	OVP (Over Voltage Protection), OCP (Over Current Protection), Overload Protection, Short-circuit Protection

WARRANTY AND SUPPORT

Money Back Guarantee

HERISKEER offers a money-back guarantee. If you are not satisfied with your product, please contact us for a full refund or replacement.

Customer Support

For any questions, concerns, or technical assistance regarding your HERISKEER 60V Electric Scooter 3A Fast Charger, please contact HERISKEER customer support through the platform where you purchased the product. Please have your order details and product model number (HRK-210E-16S) ready when contacting support.