

HERISKEER HRK-125E-13S

HERISKEER 48V Lithium-ion Battery Charger (54.6V 2A Max) Instruction Manual

Model: HRK-125E-13S

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient use of your HERISKEER 48V Lithium-ion Battery Charger. Designed for electric equipment utilizing 48V Lithium-ion battery packs with a barrel connector, this charger delivers a maximum output of 54.6V at 2A. Please read this manual thoroughly before operation and retain it for future reference.

2. IMPORTANT SAFETY INFORMATION

To prevent injury, damage, or malfunction, always adhere to the following safety guidelines:

- **Indoor Use Only:** This charger is designed for indoor use in dry conditions. Do not expose it to rain, moisture, or extreme temperatures.
- **Hazardous Area:** Operate the charger in a well-ventilated area, away from flammable materials.
- **No Disassembly:** Do not attempt to open or disassemble the charger casing. There are no user-serviceable parts inside. Disassembly voids the warranty and poses a risk of electric shock.
- **Voltage Compatibility:** This charger is **ONLY** suitable for 48V Lithium-ion batteries. It is **NOT** compatible with 36V, 52V, or 24V batteries, or any other battery chemistry (e.g., Sealed Lead Acid). Using an incompatible charger can damage the battery, the charger, or both.
- **Connector Type:** Ensure the charger's barrel connector matches your device's charging port.
- **Supervision:** Do not leave charging batteries unattended for extended periods.
- **Damage Check:** Before each use, inspect the charger and cables for any signs of damage. Do not use if damaged.



Image Description: A top-down view of the HERISKEER 48V Lithium-ion Battery Charger. The main charger unit is black with a label indicating "Li-ion Charger," "MODEL: HRK-125E-13S," "INPUT: AC100V~240V 50/60Hz," and "OUTPUT: DC 54.6V --- 2A." It also displays safety warnings like "CAUTION! HAZARDOUS AREA INDOOR USE ONLY Do Not Remove This Cover Trained Service Personal Only." The charger has a power input cable on one side and a barrel connector output cable on the other. Both cables are neatly coiled beside the charger.

3. SETUP

Follow these steps to prepare your charger for use:

1. **Verify Compatibility:** Confirm that your device's battery is a 48V Lithium-ion type and requires a 54.6V 2A charger with a barrel connector.
2. **Inspect Connector:** Carefully check the shape and size of your device's charging port to ensure it matches the DC 5.5mm*2.1mm barrel connector of this charger.

Please kindly check the shape and size of the charging port before purchasing

DC 5.5mm*2.1mm connector



Image Description: A diagram illustrating the dimensions of the DC 5.5mm*2.1mm barrel connector. It shows a close-up of the male barrel connector with measurements indicating an outer diameter of 5.5mm and an inner pin diameter of 2.1mm. This visual aid helps users confirm compatibility with their device's charging port.

3. **Connect to Device:** Insert the barrel connector firmly into your device's charging port.
4. **Connect to Power:** Plug the AC power cord into a standard 100V-240V AC wall outlet.

4. OPERATING INSTRUCTIONS

Once connected, the charger will automatically begin charging your 48V Lithium-ion battery. The LED indicator on the charger provides status updates:

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

SAFE CHARGING



RED Light-Charging



Green Light-Full charge or disconnected

Image Description: Two side-by-side images of the HERISKEER charger. The left image shows the charger with a red LED illuminated, indicating "RED Light - Charging." The right image shows the same charger with a green LED illuminated, indicating "Green Light - Full charge or disconnected." This visually explains the charging status indicators.

When the LED turns green, the charging process is complete. Disconnect the charger from the wall outlet first, then from your device.

5. COMPATIBILITY

This 48V (54.6V 2A Max) charger is optimized for use with 48V Lithium-ion batteries that utilize a coaxial (barrel) connector. It is compatible with various electric equipment models, including but not limited to:

- Hiboy Titan, Titan Pro, VE1 Pro, ECOM 14 & Hiboy P6 P7 EX6
- Rad Power (48V models)
- Jasion eb7
- VIVI 48V models

- Heybike Race Max
- Juiced Crosscurrent Air/S (48V models)
- Himiway Cruiser, Cruiser Step-Thru
- Aventon Pace 500
- Ancheer (48V models)
- Ecotric Seagull, Bison, Tornado 26"
- Sondors (48V models ONLY, NOT for 36V) Fold X, Fold XS, X, XS, MXS
- Lectric (48V models)
- Boosted V2 (Dual Plus), V3 (Mini S/X, Stealth, V3 Plus), and Boosted Rev (48V models)
- Freego (48V models)
- Engwe (48V models)

Note: Always verify your device's battery voltage and connector type before purchasing and using any charger. This charger is specifically designed for 48V Lithium-ion systems and is not interchangeable with other voltages or battery chemistries.

6. KEY FEATURES

- **Smart Fan Cooling:** Equipped with an intelligent program control fan that adjusts speed based on internal temperature. As the charging current decreases, the fan automatically enters a low wind rotation mode, reducing noise and conserving energy.

① Smart fan

Intelligent program control fan, temperature control type. When the current becomes smaller, the internal heating small fan automatically enters the low wind rotation, reducing the noise of the fan during charging, and more energy-saving.

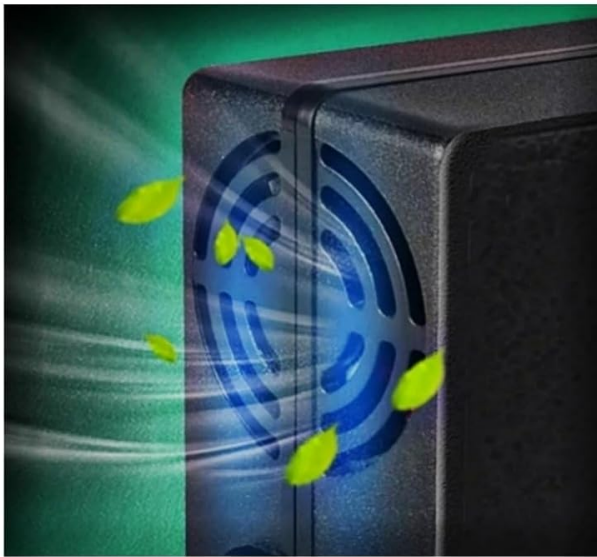


Image Description: A diagram highlighting the "Smart fan" and "Cooling Vent" features of the charger. It shows an exploded view of the charger's internal fan mechanism and a close-up of the cooling vents, emphasizing the intelligent temperature control and energy-saving aspects of the fan operation.

- **Multiple Protection:** Features selected hardware and intelligent protection circuits to ensure safe charging.



Image Description: An illustration depicting the "MULTIPLE PROTECTION" features of the HERISKEER charger. It shows a transparent overlay of a circuit board on the charger, with a shield icon labeled "INTELLIGENT PROTECTION." Below, icons represent various protections: Overcharge Protection, Magnetic Field Protection, Temperature Protection, Foreign Body Detection (FOD), Charging Protection, and Overvoltage Protection, along with battery charge level indicators.

- **Safety Standards:** Approved for safety standards, including OVP (Over Voltage Protection), OCP (Over Current Protection), Overload Protection, and Short-circuit Protection.

7. MAINTENANCE

To ensure the longevity and proper functioning of your charger:

- **Cleaning:** Wipe the charger with a dry, soft cloth. Do not use liquid cleaners or solvents.
- **Storage:** Store the charger in a cool, dry place when not in use. Avoid extreme temperatures and direct sunlight.
- **Cable Care:** Do not bend or crimp the cables excessively. Avoid placing heavy objects on the cables.
- **Impact Avoidance:** While designed with robust components, avoid dropping the charger, especially on hard surfaces like concrete or asphalt, as this can damage internal electronics.

8. TROUBLESHOOTING

If you encounter issues with your charger, refer to the following:

Problem	Possible Cause	Solution
Charger LED does not light up.	No power from outlet; Charger not properly plugged in; Faulty outlet; Damaged charger.	Check wall outlet with another device; Ensure all connections are secure; Try a different outlet; If still no light, the charger may be faulty.
LED is green but battery is not fully charged.	Charger disconnected from battery; Battery issue; Incompatible battery.	Ensure the barrel connector is securely inserted into the device; Verify battery health; Confirm battery is 48V Lithium-ion.
LED remains red for an extended period.	Battery deeply discharged; High capacity battery; Charger malfunction.	Allow more time for charging; If charging time is excessively long or the charger feels unusually hot, disconnect and contact support.
Charger or device gets excessively hot.	Overload; Poor ventilation; Internal fault.	Immediately disconnect the charger from both the wall and the device. Ensure adequate ventilation. Do not use if overheating persists.
Device not charging or showing error.	Incorrect voltage/connector; Device battery management system (BMS) issue; Charger fault.	Re-verify charger compatibility (48V Li-ion, 5.5x2.1mm barrel connector). Consult your device's manual for battery or charging port issues.

If troubleshooting steps do not resolve the issue, discontinue use and contact HERISKEER customer support.

9. SPECIFICATIONS

Feature	Specification
Model	HRK-125E-13S
Input Voltage	AC 100V-240V ~50/60Hz, 2A
Output Voltage	DC 54.6V
Output Current	2A Max
Compatible Battery Type	48V Lithium-ion Battery Pack
Connector Type	DC 5.5mm*2.1mm Barrel Connector
Cable Length	9 ft (approx. 2.74 meters)
Special Features	Charging Indicator, Lightweight Design, Short Circuit Protection, Smart Fan Cooling
Item Weight	7.9 ounces (approx. 224 grams)
Package Dimensions	7.4 x 4.61 x 2.05 inches (approx. 18.8 x 11.7 x 5.2 cm)

10. WHAT'S IN THE BOX

- 1 x HERISKEER 48V Lithium-ion Battery Charger (HRK-125E-13S) with integrated 9ft cable.

11. WARRANTY AND SUPPORT

HERISKEER stands by the quality of its products. If you are not satisfied with your purchase, please contact us for a refund or replacement as per our money-back guarantee policy.

For technical support, warranty claims, or any questions regarding your HERISKEER charger, please refer to the contact information provided at the point of purchase or visit the official HERISKEER website.