

HK-42-2000

42V Lithium Battery Electric Scooter Charger User Manual

Model: HK-42-2000

INTRODUCTION

This user manual provides essential information for the safe and efficient operation of your 42V Lithium Battery Electric Scooter Charger. Please read this manual thoroughly before using the charger to ensure proper function and to prevent damage to the charger or your electric scooter battery. This charger is designed for 36V lithium-ion electric scooter batteries.

SAFETY INFORMATION

- Use this charger only for 36V lithium-ion electric scooter batteries. Using it with other battery types may cause damage or injury.
- Do not expose the charger to water, moisture, or extreme temperatures.
- Do not disassemble or modify the charger. Refer all servicing to qualified personnel.
- Ensure the charging environment is well-ventilated.
- Keep out of reach of children and pets.
- Unplug the charger from the power outlet when not in use or before cleaning.
- Inspect the charger and cables for any damage before each use. Do not use if damaged.

PRODUCT OVERVIEW

Key Features

- US style plug, 100-240V 50/60Hz input.
- 42V 2 Amp output for fast-charging 36V lithium-ion electric scooter batteries.
- Equipped with a 1-Prong RCA Connector (0.31 inch).
- Fast charge with high current, auto-adjusted based on temperature and battery status.
- Compatible with various 36V Li-ion electric scooters including Hiboy S2R (Only), Ninebot MAX G30LP ES2 ES4 ES1L F20 F30 F40 E22 E25 E45, Aovo Pro M365 ES60 EW6 ES80 M1 Aovo M365

Pro Scooter, YADEA KS5 KS5 Pro KS1 KS3 Scooter, Xiaomi M365 Pro/Pro2, Bird, Lime, Lime-S, Skip, and Spin electric scooters.

- **Note:** This charger is **not** compatible with Segway Minipro, highboy, gotrax, ES3, or Ninebot models not listed above.

Components

The charger consists of the main charging unit, an AC input power cord, and a DC output cable with a 1-prong RCA connector.



Figure 1: Overview of the 42V Lithium Battery Electric Scooter Charger, showing the main unit, AC power cord, and DC output cable with the 1-prong RCA connector.



Figure 2: Detailed view of the charger's input and output ports, along with the charging indicator light.



Extra Long Power Cord
11FT Extra Long Power Cord-Keeps you plugged-in at any work environment



Speed-up Excellent Cpre
Oxygen-free copper keeps lower eccentricity

High Grade Copper
Aluminum Foil Shield
Wire Insulation
Protective Tinned Copper Braid
PVC Cable jacket



Meihua interface
Wear resistance without distortion stable output, Safe and sesure

Figure 3: Illustration detailing the internal construction of the charger cable, highlighting high-grade copper, aluminum foil shield, PVC cable jacket, wire insulation, and protective tinned copper braid for durability and efficient power transfer.



Figure 4: Exploded view showing the internal components of the charger, including the transformer, capacitance, and EMI filter circuit, designed for stable output and reduced interference.

SETUP

1. **Connect to Power:** Plug the AC input power cord into the charger unit, then plug the other end into a standard 100-240V wall outlet.
2. **Connect to Scooter:** Locate the charging port on your electric scooter. Carefully insert the 1-prong RCA connector from the charger's DC output cable into the scooter's charging port. Ensure a secure connection.



Figure 5: Visual guide demonstrating the correct method for inserting the charger's 1-prong RCA plug into the electric scooter's charging port.

OPERATING INSTRUCTIONS

Once connected, the charger will automatically begin charging the scooter's battery. Observe the indicator light on the charger for status updates:

- **Red Light:** Indicates that the battery is currently charging.
- **Green Light:** Indicates that the battery is fully charged or the charger is not connected to a battery.

Charging time will vary depending on the battery's current charge level and capacity. The charger features intelligent current adjustment for efficient and safe charging.



Figure 6: Bottom view of the charger, displaying model number, input/output specifications, and regulatory certifications (FCC, CE, RoHS).

MAINTENANCE

- **Cleaning:** Disconnect the charger from both the power outlet and the scooter before cleaning. Use a dry, soft cloth to wipe the surface. Do not use liquid cleaners or solvents.
- **Storage:** Store the charger in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Avoid bending or kinking the cables excessively. Do not place heavy objects on the cables.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Charger light is green, but battery is not charging.	Battery is already fully charged, or connection is loose.	Verify the battery charge level. Ensure the charger's connector is firmly inserted into the scooter's charging port.
Charger light is off.	No power supply, or charger malfunction.	Check if the AC power cord is securely plugged into both the wall outlet and the charger. Try a different outlet. If the issue persists, the charger may be faulty.
Charging is slow.	Battery condition, or environmental factors.	Ensure the battery is not excessively hot or cold. The charger adjusts current based on battery status. If consistently slow, the battery or charger may require inspection.

SPECIFICATIONS

Attribute	Value
Model Number	HK-42-2000
Input Voltage	100-240V AC, 50/60Hz
Output Voltage	42V DC
Current Rating	2 Amps
Connector Type	1-Prong RCA (0.31 inch)
Product Dimensions	7.2 x 4.5 x 1.5 inches
Item Weight	9.3 ounces
Manufacturer	Shenzhen xin heng tyco electronics co.,LTD
Country of Origin	Switzerland

SUPPORT

For any questions, concerns, or if you are not satisfied with our product, please contact the seller or manufacturer for assistance. You may be offered a full refund or replacement as per their policy.