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Xahpower YH-4220

Xahpower 42V 2A Electric Scooter Charger

Model: YH-4220

Instruction Manual

Setup **Operation** **Maintenance** **Troubleshooting** **Specifications** **Warranty & Support**

Introduction

This manual provides essential information for the safe and efficient use of your Xahpower 42V 2A Electric Scooter Charger. Please read these instructions carefully before use and retain them for future reference.



Image: The Xahpower 42V 2A Electric Scooter Charger, featuring its compact design and European plug.

Setup

Before connecting the charger, ensure compatibility with your electric scooter's battery and charging port. This charger is designed for 36V lithium-ion batteries.

1. Check Connector Type

Verify that your scooter's charging port matches the charger's 5.5mm x 2.5mm barrel connector. Incompatible connectors can cause damage or prevent charging.



Image: A visual guide to compatible (5.5mm x 2.5mm barrel) and incompatible charging port types. Ensure your scooter's port matches the green-checked connector.

2. Verify Output Specifications

Confirm that your scooter's battery requires a 42V output with a current between 0.5A and 2A. This charger provides 42V 2A output.

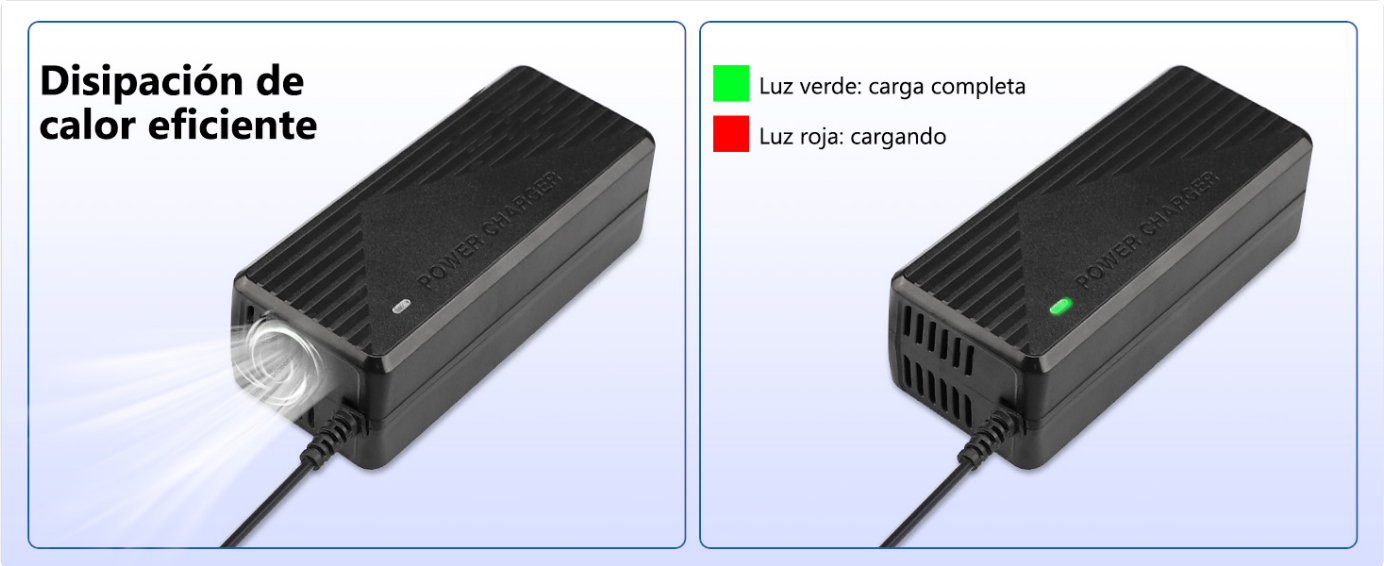


Image: The charger's specification label, indicating an input of 100-240V AC, 50/60Hz and an output of 42V DC, 2A.

Operation

Charging Procedure

1. Connect the charger's AC power cord to a standard wall outlet (100-240V AC, 50/60Hz).
2. Connect the charger's DC output plug (barrel connector) to your electric scooter's charging port.
3. The LED indicator on the charger will illuminate**red**, indicating that charging is in progress.
4. Once the scooter's battery is fully charged, the LED indicator will turn**green**.
5. Disconnect the charger from the scooter first, then from the wall outlet.



Image: The charger's LED indicator showing a green light, signifying a complete charge.

Important Notes:

- Only use this charger with 36V lithium-ion batteries. Do not use with 24V, 25.2V, 29.4V, or lead-acid batteries.
- Avoid charging in extreme temperatures or humid environments.
- Do not cover the charger during operation to ensure proper ventilation.

Your browser does not support the video tag.

Video: A demonstration of the Xahpower charger, highlighting its features, connector type, heat dissipation, and the charging process with LED indicators.

Maintenance

Heat Dissipation

The charger features a built-in cooling fan and strategically placed vents to dissipate heat during operation. This design

ensures efficient and safe charging.



Image: Side view of the charger, illustrating the ventilation grilles designed for effective heat dissipation.

General Care

- Keep the charger clean and free from dust.
- Store the charger in a dry, cool place when not in use.
- Avoid dropping or subjecting the charger to strong impacts.
- Do not attempt to open or repair the charger yourself. Contact qualified personnel for service.

Troubleshooting

Problem	Possible Cause	Solution
Charger LED does not light up.	No power from outlet, loose connection, or charger malfunction.	Check wall outlet with another device. Ensure all connections are secure. If problem persists, contact support.

Problem	Possible Cause	Solution
LED remains red after extended charging.	Battery not fully charged, or battery issue.	Allow more time for charging. If charging time is excessive, consult your scooter's manual or a technician for battery health check.
Charger gets excessively hot.	Poor ventilation, or internal fault.	Ensure charger is in a well-ventilated area. Do not cover. If overheating continues, discontinue use and contact support.
Charger does not fit scooter port.	Incompatible connector size.	Refer to the 'Check Connector Type' section. This charger uses a 5.5mm x 2.5mm barrel connector.

Specifications

- **Model Number:** YH-4220
- **Input:** AC 100-240V, 50/60Hz
- **Output:** DC 42V, 2A (Compatible with 42V 1.7A, 42V 1.5A, 42V 1A, 42V 0.5A)
- **Connector Type:** 5.5mm x 2.5mm DC Barrel Connector
- **Product Dimensions:** Approximately 170mm x 55mm x 45mm (17cm x 5.5cm x 4.5cm)
- **Total Length:** Approximately 1.7 meters
- **Weight:** 270g
- **Safety Compliance:** CE
- **Color:** Black



Image: The charger with its approximate length (13.5 cm) and width (5.5 cm) indicated.

Warranty & Support

This Xahpower charger comes with an 18-month warranty from the date of purchase. This warranty covers manufacturing defects under normal use.

Exclusions:

- Damage caused by misuse, accident, or unauthorized modification.
- Damage from improper voltage or current.
- Normal wear and tear.

Customer Support:

For warranty claims, technical assistance, or any questions regarding your charger, please contact Xahpower customer service through your retailer or the official Xahpower website. Please have your purchase receipt and product model number (YH-4220) available.

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