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> 54.6V 2A AC/DC Adapter Charger Compatible with RAD Power Bikes RadRunner Series Rad Runner Plus RadRunner 1 RadRunner1 48V Lithium ion Battery Motobike Electric Bike eBike Power Supply Smart

eeTao RAD Power Bikes RadRunner Series Power

eeTao 54.6V 2A AC/DC Adapter Charger Instruction Manual

Model: RAD Power Bikes RadRunner Series Power | Brand: eeTao

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your eeTao 54.6V 2A AC/DC Adapter Charger. Please read this manual thoroughly before operation and retain it for future reference.

Product Overview

The eeTao 54.6V 2A AC/DC Adapter Charger is designed to provide reliable power to compatible electric bikes, specifically the RAD Power Bikes RadRunner Series, Rad Runner Plus, and RadRunner 1 eBikes equipped with 48V Lithium-ion batteries.



Figure 1: The eeTao 54.6V 2A AC/DC Adapter Charger, showing the main unit and the included power cord.

Key Features

- **Universal Input Voltage:** Supports 100-240VAC, 50/60Hz for worldwide compatibility.
- **Safety Protections:** Equipped with Over Voltage Protection (OVP), Over Current Protection (OCP), and Short Circuit Protection (SCP) to ensure safe charging.
- **Compatibility:** Specifically designed for RAD Power Bikes RadRunner Series, Rad Runner Plus, and RadRunner 1 eBikes with 48V Lithium-ion batteries.
- **Output:** Provides 54.6V DC at 2 Amps (2000mA).
- **Connector Type:** Features a standard barrel round plug for secure connection.

2. SETUP

Before using the charger, ensure you have the correct battery and bike model compatible with this adapter.

Compatibility Check

This charger is compatible with:

- RAD Power Bikes RadRunner 48 Volts 14 Ah 672 Wh Lithium NCA (LiNiCoAlO₂) 48V 14Ah lithium battery pack.
- RAD Power Bikes RadRunner Plus.
- RAD Power Bikes RadRunner 1 eBike 48 V / 14 Ah Lithium NMC Motobike Electric Bike Power Supply.

eeTao[®] AC Adapter Power Supply

Compatible with:



Figure 2: Visual guide for compatible connector type. Ensure your device uses a barrel round plug. XLR-3pin and ST-3pin connectors are not compatible.

Connecting the Charger

1. Ensure the charger is disconnected from the AC power outlet.
2. Locate the charging port on your compatible RAD Power Bike battery.
3. Carefully insert the barrel connector of the charger into the battery's charging port. Ensure a snug fit.
4. Plug the AC power cord into the charger's input port.
5. Plug the other end of the AC power cord into a standard 100-240VAC wall outlet.

3. OPERATING INSTRUCTIONS

Once connected, the charger will begin the charging process. Observe any indicator lights on your battery or charger for charging status.

Charging Process

- The charger is designed to automatically manage the charging cycle for Lithium-ion batteries.
- Charging time will vary depending on the battery's capacity and current charge level.
- Disconnect the charger once the battery is fully charged to prolong battery life.

Important Considerations

- Always charge in a well-ventilated area, away from flammable materials.
- Do not cover the charger during operation to prevent overheating.
- If the charger or battery becomes excessively hot, disconnect immediately and allow to cool before proceeding.

4. MAINTENANCE

Proper maintenance ensures the longevity and safe operation of your charger.

- **Cleaning:** Disconnect the charger from all power sources before cleaning. Use a dry, soft cloth to wipe the exterior. Do not use liquid cleaners or solvents.
- **Storage:** Store the charger in a cool, dry place when not in use. Avoid extreme temperatures and humidity.
- **Cable Care:** Do not bend, twist, or crimp the power cords excessively. Inspect cables regularly for any signs of damage, such as fraying or exposed wires.

5. TROUBLESHOOTING

If you encounter issues with your charger, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Charger not powering on / No indicator light	No AC power; Loose connection; Faulty outlet; Charger malfunction.	Check AC outlet with another device. Ensure all connections are secure. Try a different outlet. If problem persists, contact support.
Battery not charging	Incompatible battery; Dead/old battery; Loose connection; Battery management system (BMS) issue.	Verify battery compatibility. Important: Rechargeable batteries have a limited lifespan (typically 1-3 years). An old or dead battery may not accept a charge. Use a voltmeter to check if the charger is outputting voltage. If the charger is working, the battery may need replacement.
Charger gets hot during use	Normal operation; Poor ventilation; Overload.	Some heat is normal. Ensure adequate ventilation around the charger. Do not cover it. If it becomes excessively hot to touch, disconnect immediately and contact support.

6. SPECIFICATIONS

Attribute	Value
Brand	eeTao
Model Number	RAD Power Bikes RadRunner Series Power
Input Voltage	100-240VAC, 50/60Hz
Output Voltage	54.6V DC
Output Amperage	2 Amps (2000mA)
Wattage	109.2 watts
Connector Type	Barrel Connector
Product Dimensions	9 x 6 x 2 inches
Item Weight	1.25 pounds
Included Components	1 adapter
Safety Features	OVP, OCP, SCP (Over Voltage, Over Current, Short Circuit Protection)

Attribute	Value
Certifications	CE

7. WARRANTY AND SUPPORT

eeTao stands behind the quality of its products.

Warranty Information

This product comes with a **30-day refund policy** and a **24-month exchange warranty** from the date of purchase. This warranty covers manufacturing defects and issues arising from normal use.

Customer Support

For any questions, technical assistance, or warranty claims, please contact eeTao customer support. Please have your product model number and purchase details ready when contacting support.

For more information or to contact support, please visit the official eeTao store on Amazon:[eeTao Store](#)

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Note: Product specifications are subject to change without notice.