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› URAQT 10A 12V/24V Intelligent Battery Charger User Manual U4-UZ18112102-EU

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URAQT 10A 12V/24V Intelligent Battery Charger User Manual

Model: U4-UZ18112102-EU

INTRODUCTION

Thank you for choosing the URAQT 10A 12V/24V Intelligent Battery Charger. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your device. Please read it thoroughly before use and keep it for future reference.

This charger is designed for 12V or 24V lead-acid batteries ranging from 6AH to 200AH, suitable for various vehicles including cars, motorcycles, ATVs, and trucks. It features intelligent charging, one-touch repair, and multiple safety protections.

Wide Scope of Application

12v /24v Universal



Motorcycle



Car



SUV



Small truck



Motorhome



Yacht

Image: The URAQT battery charger is compatible with a wide range of 12V/24V vehicles, including motorcycles, cars, SUVs, small trucks, motorhomes, and yachts.

SAFETY INFORMATION

WARNING: Always prioritize safety when operating electrical devices. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Lithium Batteries:** This charger is strictly prohibited from charging lithium batteries. Only use with 12V or 24V lead-acid batteries (6AH-200AH).
- **Ventilation:** Ensure adequate ventilation during charging. Batteries can produce explosive gases.
- **Eye Protection:** Always wear eye protection when working with batteries.
- **Sparks and Flames:** Keep sparks, flames, and smoking materials away from the battery and charger.
- **Connections:** Connect the charger to the battery before plugging it into a power outlet. Disconnect from the power outlet before disconnecting from the battery.

- **Reverse Polarity:** The charger includes reverse connection protection. However, always ensure correct polarity (red to positive, black to negative) to prevent potential issues.
- **Damaged Equipment:** Do not operate the charger if it has been dropped, damaged, or exposed to moisture.
- **Children:** Keep the charger and battery out of reach of children.
- **European Standard Plug:** This charger is designed for European standard sockets. Ensure compatibility with your power outlet.

PRODUCT OVERVIEW

The URAQT Intelligent Battery Charger is designed for ease of use and efficient battery maintenance. Key features include:

- **Digital Display:** Shows temperature, charging voltage, charging current, and battery power.
- **Intelligent Charging:** Automatic detection of ambient temperature for winter/summer modes and appropriate voltage selection. Stops charging automatically when complete.
- **One-Touch Repair:** High and low frequency pulse repair technology to improve battery condition, especially for inactive or uncharged batteries.
- **Multiple Protections:** Low voltage, overvoltage, overheating, reverse connection, short circuit, and overcurrent protection.
- **Durable Construction:** Fully insulated alligator clips and national standard copper wire for stable and safe operation.



Copper Alligator Clips

Good stability & high strength



LCD Display

Real-time battery monitor



Silent Cooling Fan

Heat dissipation, extending service life



Small Storage Box

Storage cables are portable and neat

Image: Key features of the URAQT battery charger, including robust copper alligator clips, a clear LCD display, a silent cooling fan for heat dissipation, and a small storage box for cables.



Image: Dimensions of the URAQT battery charger and its components. The main unit measures approximately 21cm in height, 20.2cm in width, and 13.9cm in depth. The power cable is 160cm long, and the battery clamp cables are 65.7cm long.

SPECIFICATIONS

Feature	Specification
Brand	URAQT
Model Number	U4-UZ18112102-EU
Color	Black
Item Weight	1224 Grams

Feature	Specification
Input Voltage	160-260 Volts AC
Output Voltage	12V / 24V DC
Current Rating	10 A
Amperage	8 A
Compatible Battery Types	12V or 24V Lead-Acid Batteries (6AH-200AH)
Compatible Devices	Cars, Motorcycles, ATVs, Trucks, Lawn Mowers, Boats, Micro-hybrid vehicles
Connector Type	Schuko (European Standard Plug)
Number of Items in Package	1 (Charger, battery clamps, power plug)

SETUP

Before connecting the charger, ensure your vehicle is turned off and the ignition key is removed. Follow these steps for proper setup:

- 1. Identify Battery Terminals:** Locate the positive (+) and negative (-) terminals on your vehicle's battery. The positive terminal is usually marked with a plus sign and is larger.
- 2. Connect Battery Clamps:**
 - Connect the **RED** positive (+) clamp to the positive (+) battery terminal.
 - Connect the **BLACK** negative (-) clamp to the negative (-) battery terminal.

***Important:** Ensure a secure connection. Reverse connection will trigger an alarm and protection function on the charger.*
- 3. Plug into Power Outlet:** Once the battery clamps are securely connected, plug the charger's power cord into a suitable European standard (Schuko) electrical outlet.

Step 1 Then the red line connects the positive pole and black wire connects the negative pole.

Step 2 Plug the charger plug into the socket.



Nota: Reverse connection will cause short circuit, lead to alarm and protection function of charger.

Image: Visual guide for connecting the URAQT battery charger. Step 1 shows connecting the red clamp to the positive battery terminal and the black clamp to the negative terminal. Step 2 illustrates plugging the charger into a power socket. A note warns against reverse connections.

OPERATING INSTRUCTIONS

After proper setup, the charger will automatically begin its operation:

1. **Automatic Detection:** The charger will automatically detect the battery voltage (12V or 24V) and the ambient temperature. It will then select the appropriate charging mode (winter or summer) and charging voltage.
2. **LCD Display:** The LCD screen will display real-time information including temperature, charging voltage, charging current, and battery power level.
3. **Charging Process:** The charger will intelligently manage the charging process. No manual adjustments are typically required.
4. **Charging Completion:** The charger will automatically stop charging once the battery is fully charged. The display

will indicate completion, and a green light may become solid (if applicable, based on product design).

5. **One-Touch Repair Function:** If your battery is inactive for a long time, uncharged, or experiencing internal resistance issues, you can use the one-touch repair function. Refer to the specific button or switch on your device for this mode. This function uses high and low frequency pulse technology to recondition the battery.

To Disconnect: First, unplug the charger from the power outlet. Then, disconnect the negative (-) black clamp, followed by the positive (+) red clamp from the battery terminals.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your URAQT battery charger:

- **Cleaning:** Disconnect the charger from all power sources and batteries before cleaning. Use a dry, soft cloth to wipe the exterior. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the charger in a cool, dry place when not in use. Ensure cables are neatly stored, ideally in the integrated storage box if available.
- **Cable Inspection:** Regularly inspect the power cord and battery clamps for any signs of damage, fraying, or corrosion. Do not use if damaged.
- **Battery Condition:** Periodically check the battery's fluid levels (if applicable for your battery type) and ensure terminals are clean and free of corrosion.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Charger not turning on / No display	No power from outlet; Loose power connection; Faulty outlet.	Check power outlet with another device; Ensure power cord is securely plugged in; Try a different outlet.
Charger alarms / Error message	Reverse polarity connection; Short circuit; Overheating; Overvoltage/Low voltage.	Disconnect immediately. Check battery clamp connections for correct polarity (red to +, black to -). Inspect cables for damage. Allow charger to cool if overheating. Ensure battery voltage is within 12V/24V range.
Battery not charging	Poor connection to battery; Battery is severely discharged or damaged; Incorrect battery type.	Ensure clamps are securely attached to clean battery terminals. Try the "One-Touch Repair" function. Confirm battery is a 12V/24V lead-acid type within 6AH-200AH. If battery is severely damaged, it may not accept a charge.
Slow charging speed	Battery capacity is very high; Battery is deeply discharged; Ambient temperature is very low.	Charging time varies with battery size and discharge level. The charger automatically adjusts for temperature. Ensure connections are optimal.

When there is a safety abnormality, the machine will sound an alarm.



Overheating protection



Overcurrent protection



Overvoltage protection



Low voltage protection



Short circuit protection



Reverse protection



Image: Visual representation of the multiple safety protections integrated into the URAQT battery charger. These include protection against overheating, overcurrent, overvoltage, low voltage, short circuits, and reverse connections, which trigger an alarm if detected.

WARRANTY AND SUPPORT

URAQT offers a free return service within 12 months of purchase. If you encounter any operational problems or require assistance, please contact URAQT customer support. An electronic French version of the instruction manual is available upon request.

For support, please refer to the contact information provided with your purchase or visit the official URAQT website.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question

and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question