

NWOUIIAY 8641073031

NWOUIIAY 6A/12V Smart Car Battery Charger User Manual

Model: 8641073031

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Overview	Specifications	Setup	Operation	Maintenance	Troubleshooting	Warranty & Support

1. INTRODUCTION

Thank you for choosing the NWOUIIAY 6A/12V Smart Car Battery Charger. This intelligent charger is designed to maintain and charge various types of 12V lead-acid batteries, including Wet, MF, GEL, VRLA, Flooded, and AGM (EFB) batteries, ranging from 4AH to 100AH (max 200Ah). It features an LCD display, automatic temperature compensation, pulse repair function, and multiple safety protections to ensure efficient and safe battery charging for cars, motorcycles, lawnmowers, ATVs, and more.

2. SAFETY INFORMATION

WARNING: Do NOT charge Lithium batteries with this device.

- Always connect the charger to the battery before plugging it into the power outlet.
- Ensure proper ventilation during charging. Do not cover the charger.
- Keep the charger away from flammable materials, moisture, and extreme temperatures.
- Avoid sparks or flames near the battery during charging, as batteries can produce explosive gases.
- Wear eye protection and gloves when handling batteries.
- If the battery is damaged or frozen, do not attempt to charge it.
- Disconnect the power supply before disconnecting the charger from the battery.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction

concerning use of the appliance by a person responsible for their safety.

3. PRODUCT OVERVIEW

The NWOUIIAY Smart Car Battery Charger features a compact design with an intuitive LCD display and robust safety features.



Front view of the NWOUIIAY Smart Car Battery Charger, displaying 'FUL' on its LCD screen, indicating a full charge or repair mode.



The charger's LCD screen showing temperature readings and battery charge status, with automatic summer/winter mode detection.



An illustration highlighting the multiple protection features of the charger, including overcurrent, short circuit, reverse connection, low voltage, overvoltage, and overheat protection.



The charger featuring an integrated cooling fan for effective heat dissipation, ensuring safe and prolonged operation.

Key Components:

- **LCD Digital Display:** Shows charging voltage, current, battery percentage, and temperature.
- **Control Button:** For activating repair mode.
- **Red Clamp:** Positive (+) connection for the battery.
- **Black Clamp:** Negative (-) connection for the battery.
- **Power Cable:** Connects to a standard 100V-240V AC outlet.
- **Cooling Fan:** Ensures optimal operating temperature.

4. SPECIFICATIONS

Feature	Specification
Input Voltage	100V-240V AC, 50-60Hz
Output Voltage/Current	12V DC / 6A
Battery Types	All SLA batteries (Wet, MF, GEL, VRLA, Flooded), AGM (EFB)
Battery Capacity Range	4AH - 100AH (max 200Ah)
Operating Temperature	-10°C to 45°C (14°F to 113°F)
Dimensions	14.8 cm (L) x 8.4 cm (W) x 6 cm (H) / 5.8 in (L) x 3.3 in (W) x 2.4 in (H)
Weight	490 Grams
Color	Black and Red
Model Number	8641073031
UPC	705644789211

5. SETUP INSTRUCTIONS

Follow these steps to safely connect your NWOUIIAY battery charger:

1. **Connect the Red Clamp:** Attach the RED (positive, +) clamp to the positive terminal of the battery.

2. **Connect the Black Clamp:** Attach the BLACK (negative, -) clamp to the negative terminal of the battery.
3. **Plug in the Power Supply:** Once both clamps are securely connected to the battery, plug the charger's power cable into a standard 100V-240V AC electrical outlet.



Important: Always connect the clamps to the battery first, then plug the charger into the power outlet. Disconnect the power outlet first, then remove the clamps from the battery.

6. OPERATING INSTRUCTIONS

Automatic Charging:

After connecting the charger as described in the Setup section, the charger will automatically detect the battery type and condition. The LCD display will show the current voltage, charging current, battery percentage, and ambient temperature. The charger will automatically adjust the charging mode (Summer/Winter) based on the detected temperature.



The charger automatically switches between 'Summer' and 'Winter' charging modes based on

When the battery is fully charged, the charger will automatically stop charging, and the display will show "FUL".

Pulse Repair Function:

The charger includes a one-click pulse repair function designed to help restore and activate deeply discharged or sulfated batteries, potentially extending their lifespan.

1.

Connect the charger to the battery as per the Setup instructions.
2.

Press the "Repair" button on the charger. The charger will enter pulse repair mode.
3.

Allow the repair cycle to complete. The duration may vary depending on the battery condition.

Note: The pulse repair function may not be effective for all severely damaged or dead batteries.

7. MAINTENANCE

- **Cleaning:** Disconnect the charger from power and battery before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use harsh chemicals or abrasives.
- **Storage:** Store the charger in a cool, dry place when not in use. Ensure the cables are neatly coiled and not kinked.
- **Cable Inspection:** Regularly inspect the power cable and battery clamps for any signs of damage, wear, or corrosion. Replace if necessary.
- **Battery Terminals:** Keep battery terminals clean and free of corrosion for optimal connection.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Charger does not turn on.	No power from outlet; loose connection; charger fault.	Check power outlet; ensure power cable is securely plugged in; verify battery clamps are correctly connected.
Charger displays "Fault" or error code.	Reverse polarity connection; short circuit; overvoltage/undervoltage; internal fault.	Check clamp connections for correct polarity; inspect cables for damage; ensure battery voltage is within range (12V); if problem persists, contact support.
Battery not charging or charging slowly.	Battery severely discharged/damaged; incorrect battery type; poor connection.	Ensure battery is a compatible 12V lead-acid type; check for clean and secure connections; try the pulse repair function for deeply discharged batteries. If battery is severely damaged, it may need replacement.
Charger gets hot during operation.	Normal operation; poor ventilation; excessive load.	Some heat is normal. Ensure the cooling fan is not obstructed and there is adequate ventilation around the charger. If overheating is extreme, disconnect and contact support.

9. WARRANTY & SUPPORT

NWOUIIAY products are designed and manufactured to the highest quality standards. For warranty information, please refer to the specific terms provided at the time of purchase or contact your retailer. If you encounter any issues or require technical assistance, please contact NWOUIIAY customer support through the retailer's platform or the official brand website.

Please have your model number (8641073031) and purchase details ready when contacting support.

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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