

Aumotop GOT6939456893430JB

Aumotop 20A 12V/24V Automatic Smart Battery Charger User Manual

Model: GOT6939456893430JB

1. IMPORTANT SAFETY INSTRUCTIONS

Please read and understand all safety information before using this battery charger. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always wear eye protection and protective clothing when working with batteries.
- Ensure adequate ventilation during charging to prevent gas accumulation.
- Keep the charger away from flammable materials.
- Do not expose the charger to rain or wet conditions.
- This charger features comprehensive protection against reverse polarity, short-circuit, over-current, overheat, over-voltage, low-voltage, electric shock, and fire. However, always ensure correct connections.
- Do not attempt to charge frozen or damaged batteries.

2. PRODUCT OVERVIEW

The Aumotop 20A Automatic Smart Battery Charger is designed for efficient and safe charging of various 12V and 24V batteries. It features intelligent charging, multiple protection functions, and a user-friendly color display.



Image: Aumotop Automatic Smart Battery Charger with Color Screen Design.

Key Features:

- **Fully-Automatic Operation:** Automatically detects battery voltage (12V or 24V) and adjusts charging parameters.
- **Wide Battery Compatibility:** Compatible with lead-acid, LiFePo4, Calcium, Gel, AGM, and Wet batteries.
- **Intelligent Color Display:** Provides real-time information on current voltage, current, battery level, and temperature.
- **Multi-Protection Features:** Includes reverse polarity, short-circuit, over-current, overheat, over-voltage, low-voltage, electric shock, and fire protection.
- **Battery Repair Function:** Pulse repair mode helps to restore depleted and sulfated batteries.
- **Winter/Summer Mode:** Automatically adjusts charging voltage based on ambient temperature.
- **Portable Design:** Features a unique design for easy cord winding and storage.

3. SETUP AND CONNECTION

Follow these steps to safely connect your Aumotop battery charger:

1. Ensure the charger is unplugged from the power outlet.
2. Connect the red (+) clamp to the positive (+) terminal of the battery.
3. Connect the black (-) clamp to the negative (-) terminal of the battery.
4. Plug the charger into a standard 220V household power supply. The charger will power on and automatically detect the battery type and voltage.

Simple operation

Plug in the power, select a good mode, connect the battery to automatically charge and automatically stop when fully charged, making the operation simple



Image: Diagram illustrating simple connection steps for 12V and 24V batteries.

4. OPERATING INSTRUCTIONS

The charger operates automatically once connected. You can select specific modes if needed.

4.1 Mode Selection

Press the 'MODE' button to cycle through the available charging modes:

- **CAR Mode:** For 12V/24V standard lead-acid batteries (GEL, SLA, WET, DEEP CYCLE, EFB, Calcium).
- **AGM/LiFePo4 Mode:** For 12V/24V AGM and Lithium Iron Phosphate batteries.
- **MOTORCYCLE Mode:** For 12V/24V motorcycle batteries.
- **REPAIR Mode:** For repairing depleted or sulfated batteries (see section 4.3).



Image: Display showing the 9 available charging modes.

4.2 Understanding the Display

The large color screen provides clear information:

- **Voltage (V):** Displays the current battery voltage.
- **Current (A):** Shows the charging current in Amperes.
- **Battery Level:** Indicates the approximate charge level of the battery.
- **Temperature (°C):** Displays the ambient temperature, which influences charging adjustments.
- **Winter/Summer Indicators:** Icons will illuminate to show if the charger is in winter or summer charging mode, automatically adjusting for optimal performance.

12V24V Large-screen Charger

Motorcycle / car / truck / agricultural vehicle / construction vehicle / start stop battery

LiFePO4 battery



Image: Close-up of the large color screen displaying charging information.

4.3 Battery Repair Function

The pulse repair function is designed to help recover old, depleted, or sulfated batteries. To use:

1. Connect the charger to the battery.
2. Select the 'REPAIR' mode using the mode selection button.
3. The repair process can take approximately 16 hours. Monitor the battery during this process.

One click repair

Select the repair mode to fix issues with the undervoltage battery or a battery that has been idle for a long time.
Do not charge into the battery, there is a good repair activation effect!



Image: Visual representation of the one-click battery repair function.

5. MAINTENANCE AND STORAGE

Proper maintenance and storage ensure the longevity of your charger.

- Clean the charger casing with a dry cloth. Do not use harsh chemicals or abrasives.
- Ensure the cooling fan vents are clear of obstructions for optimal heat dissipation.
- Utilize the unique design on the back of the charger to wind and store power cords and clips neatly.

Portable storage design

The unique design on the back of the charger allows you to wrap and store messy power cords, and the clips on both sides can also be clipped, making your charger no longer messy and convenient for storage.



Other chargers



It's messy and cannot be stored

Our chargers



Neat and comfortable
easy to store

Image: The portable storage design on the back of the charger for neat cable management.

6. TROUBLESHOOTING

If you encounter issues, refer to the following common troubleshooting tips:

- **Charger not turning on:** Ensure the charger is properly plugged into a live power outlet and the battery clamps are correctly connected to the battery terminals.
- **Error message on display:** Check all connections for proper polarity (red to positive, black to negative). The charger's built-in protections will prevent operation if connections are incorrect or if there's a fault.
- **Battery not charging:** Verify that the correct charging mode is selected for your battery type. Ensure the battery is not severely damaged or frozen.
- **Overheating:** The intelligent cooling fan system should prevent overheating. Ensure the fan vents are not blocked. If the charger still overheats, discontinue use and contact support.

7. SPECIFICATIONS

Feature	Specification
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Model Number	GOT6939456893430JB
Input Voltage	220V AC (Standard Household)
Output Voltage	12V / 24V DC (Automatic Detection)
Max Charging Current	20A (12V) / 10A (24V)
Battery Capacity (12V)	2AH - 300AH
Battery Capacity (24V)	2AH - 150AH
Compatible Battery Types	Lead-Acid (GEL, SLA, WET, DEEP CYCLE, EFB, Calcium), AGM, LiFePo4
Protection Features	Reverse Polarity, Short-Circuit, Over-Current, Overheat, Over-Voltage, Low-Voltage, Electric Shock, Fire Protection
Cooling System	Intelligent Silent Fan
Dimensions	3.74 x 4.92 x 3.74 inches
Item Weight	2.64 pounds (1.2 Kilograms)

Product Characteristics



Charge, repair, detect, unlock and more



Lead acid / start-stop

12V24V

12V24V universal



Full power
automatic stop



Multiple protection



Intelligent chip



Repair battery



Battery detection



Large screen
digital display



National standard
copper wire



Multiple modes



Storage design



Angle adjustable



Reinforced
charging clip



Winter and summer
are divided



Cooling fan

Image: Overview of the charger's product characteristics and features.

8. WARRANTY AND SUPPORT

Aumotop offers a 24-month warranty for this product. For any questions or concerns, please contact Aumotop customer service, available 7 days a week, 24 hours a day.

Contact information can typically be found on the product packaging or the official Aumotop website.