

Absaar 158001 Evo 4.0

Absaar 158001 Evo 4.0 6/12V 4A Battery Charger User Manual

1. INTRODUCTION

This user manual provides essential information for the safe and effective operation, setup, maintenance, and troubleshooting of your Absaar 158001 Evo 4.0 6/12V 4A Battery Charger. Please read these instructions carefully before using the device to ensure proper function and to prevent damage or injury. Keep this manual for future reference.

2. SAFETY INSTRUCTIONS

WARNING: Failure to follow these safety instructions may result in electric shock, fire, or serious injury.

- Always connect the charger to a grounded power outlet.
- Ensure the charging area is well-ventilated.
- Wear eye protection and gloves when working with batteries.
- Do not charge frozen batteries. Allow them to thaw before charging.
- Keep the charger away from flammable materials and liquids.
- Disconnect the power supply before making or breaking connections to the battery.
- Do not expose the charger to rain or excessive moisture.
- 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.
- Children should be supervised to ensure that they do not play with the appliance.

3. PRODUCT OVERVIEW

The Absaar 158001 Evo 4.0 is an automatic battery charger designed for 6V and 12V lead-acid batteries. It features intelligent charging technology and multiple safety protections.



The image displays the Absaar Evo 4.0 battery charger unit, which is red and black, connected to a power plug and red and black battery clamps. The charger's display shows '12.6V'.

Key Features:

- **Easy to Use:** Precise processor control for temperature and intelligent charging, requiring no manual adjustments.
- **Durable Material:** High-quality construction, resistant to corrosion and electric shock.
- **High Frequency Charging:** Optimized for powerful and fast charging.
- **Multiple Safety Protections:** Includes protection against low voltage, overvoltage, overcurrent, short circuit, and overheating to ensure user safety.

4. SETUP

1. **Unpack the Charger:** Remove all packaging materials and inspect the charger for any signs of damage.
2. **Prepare the Battery:** Ensure the battery terminals are clean and free of corrosion. If necessary, clean them with a wire brush.
3. **Ventilation:** Place the charger and battery in a well-ventilated area, away from direct sunlight or heat sources.
4. **Check Battery Voltage:** Confirm the battery voltage (6V or 12V) matches the charger's capabilities. The Evo 4.0 automatically detects the voltage.

5. OPERATING INSTRUCTIONS

The Absaar Evo 4.0 is an automatic charger. Once connected, it will detect the battery type and voltage, and begin charging.

1. Connect Battery Clamps:

- Connect the **RED** positive (+) clamp to the positive (+) terminal of the battery.
- Connect the **BLACK** negative (-) clamp to the negative (-) terminal of the battery.
- For vehicle batteries, if the battery is still in the vehicle, connect the negative clamp to the vehicle chassis away from the battery and fuel line.

2. Connect to Power:

Plug the charger's power cord into a standard 230V AC wall outlet.

3. Charging Process:

The charger will automatically detect the battery voltage (6V or 12V) and begin the

charging process. The display will show the current voltage and charging status. The charger will automatically adjust the charging current (2A or 4A) as needed.

4. **Charging Completion:** The charger will automatically switch to maintenance mode or indicate full charge when the battery is fully charged. Refer to the charger's display for status indicators.

5. **Disconnecting:**

- First, unplug the charger from the AC power outlet.
- Then, disconnect the BLACK negative (-) clamp from the battery (or vehicle chassis).
- Finally, disconnect the RED positive (+) clamp from the battery.

6. MAINTENANCE

- **Cleaning:** Clean the charger casing with a soft, dry cloth. Do not use solvents or abrasive cleaners.
- **Cable Inspection:** Regularly inspect the power cord and charging cables for any damage, cuts, or frayed insulation. Do not use the charger if cables are damaged.
- **Storage:** Store the charger in a cool, dry place when not in use. Keep it away from dust and moisture.
- **Battery Terminals:** Ensure battery terminals are clean before each use for optimal connection.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Charger does not turn on.	No power from outlet; faulty connection.	Check power outlet with another device. Ensure power cord is securely plugged in.
Charger not charging.	Incorrect battery connection; battery too deeply discharged; faulty battery.	Verify positive and negative clamp connections. Some chargers may not charge extremely low voltage batteries. Have battery tested by a professional.
Charger displays an error code.	Short circuit; reverse polarity; overheating.	Disconnect charger, check connections for short circuits or reverse polarity. Allow charger to cool down if overheating. Refer to specific error codes in the full manual if available.
Battery not fully charged after extended time.	Battery capacity too large for charger; faulty battery.	Ensure charger amperage is suitable for battery capacity. Have battery tested.

8. SPECIFICATIONS

- **Brand:** Absaar
- **Model Number:** 158001 Evo 4.0
- **Color:** Red/Black
- **Input Voltage:** 12 Volts (AC, from mains power)
- **Output Voltage:** 6 Volts DC, 12 Volts DC
- **Amperage:** 2 A, 4 A
- **Compliance:** UL

- **Manufacturer:** Absaar
- **Country of Origin:** China

9. WARRANTY AND SUPPORT

Warranty information for the Absaar 158001 Evo 4.0 Battery Charger is typically provided at the point of purchase or can be found on the official Absaar website. For technical support or warranty claims, please contact your retailer or the manufacturer directly using the contact information provided with your product or on their official website.

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