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› Absaar Pro 8.0 12/24V 8A Battery Charger User Manual

Absaar 062076

Absaar Pro 8.0 12/24V 8A Battery Charger User Manual

Model: 062076

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1. PRODUCT OVERVIEW

The Absaar Pro 8.0 is an advanced 11-step microprocessor-controlled battery charger designed for 6V and 12V lead-acid, AGM, and Gel batteries. It is suitable for a wide range of vehicles and equipment, including motorcycles, cars, campers, lawnmowers, and boats. This versatile device functions as a charger for batteries up to 160Ah and as a maintainer for batteries up to 220Ah. It incorporates comprehensive protection features against overcharge, short circuits, overheating, and reverse polarity, ensuring safe and reliable operation. The clear LCD display provides essential charging information.



Image 1.1: Front view of the Absaar Pro 8.0 Battery Charger, showing the LCD display and control buttons.

Key Features:

- **11-Step Charging Process:** Optimized for efficient and safe battery charging.
- **Multi-Battery Compatibility:** Supports 6V and 12V lead-acid, AGM, and Gel batteries.
- **Charging & Maintenance:** Charges batteries up to 160Ah and maintains up to 220Ah.
- **Comprehensive Protection:** Includes overcharge, short circuit, overheating, and reverse polarity protection.
- **Quick Connection System:** For easy and secure attachment to battery terminals.
- **Switchable Voltage:** Operates with both 6V and 12V systems.
- **Clear LCD Display:** Provides real-time charging status and voltage readings.

2. SAFETY INSTRUCTIONS

Read all safety warnings and instructions carefully before using this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Ventilation:** Ensure adequate ventilation during charging. Batteries can emit explosive gases.
- **Eye Protection:** Always wear eye protection when working with batteries.
- **Skin Protection:** Avoid contact with battery acid. Wear protective gloves.
- **Flammable Materials:** Keep the charger and battery away from open flames, sparks, and flammable materials.
- **Children and Pets:** Keep the charger and battery out of reach of children and pets.
- **Disconnect Power:** Always disconnect the charger from the mains power supply before making or breaking connections to the battery.
- **Correct Polarity:** Connect the red (+) clamp to the positive battery terminal and the black (-) clamp to the negative battery terminal. Reverse polarity protection is built-in, but correct connection is always recommended.
- **Indoor Use:** This charger is designed for indoor use. Do not expose it to rain or moisture.
- **Damaged Equipment:** Do not operate the charger if it has been dropped, damaged, or if the power cord is frayed.
- **Battery Type:** Ensure the charger settings match the battery type (Lead-Acid, AGM, Gel). Do not attempt to charge non-rechargeable batteries or Lithium-Ion batteries.

3. SETUP AND CONNECTION

Follow these steps to properly set up and connect your Absaar Pro 8.0 battery charger.

1. **Unpack:** Carefully remove the charger and all accessories from the packaging.
2. **Inspect:** Check the charger and cables for any signs of damage. Do not use if damaged.
3. **Choose Connection Method:** The charger comes with two types of battery connectors:
 - **Battery Clamps:** For temporary connections.
 - **Ring Terminals:** For semi-permanent connections.

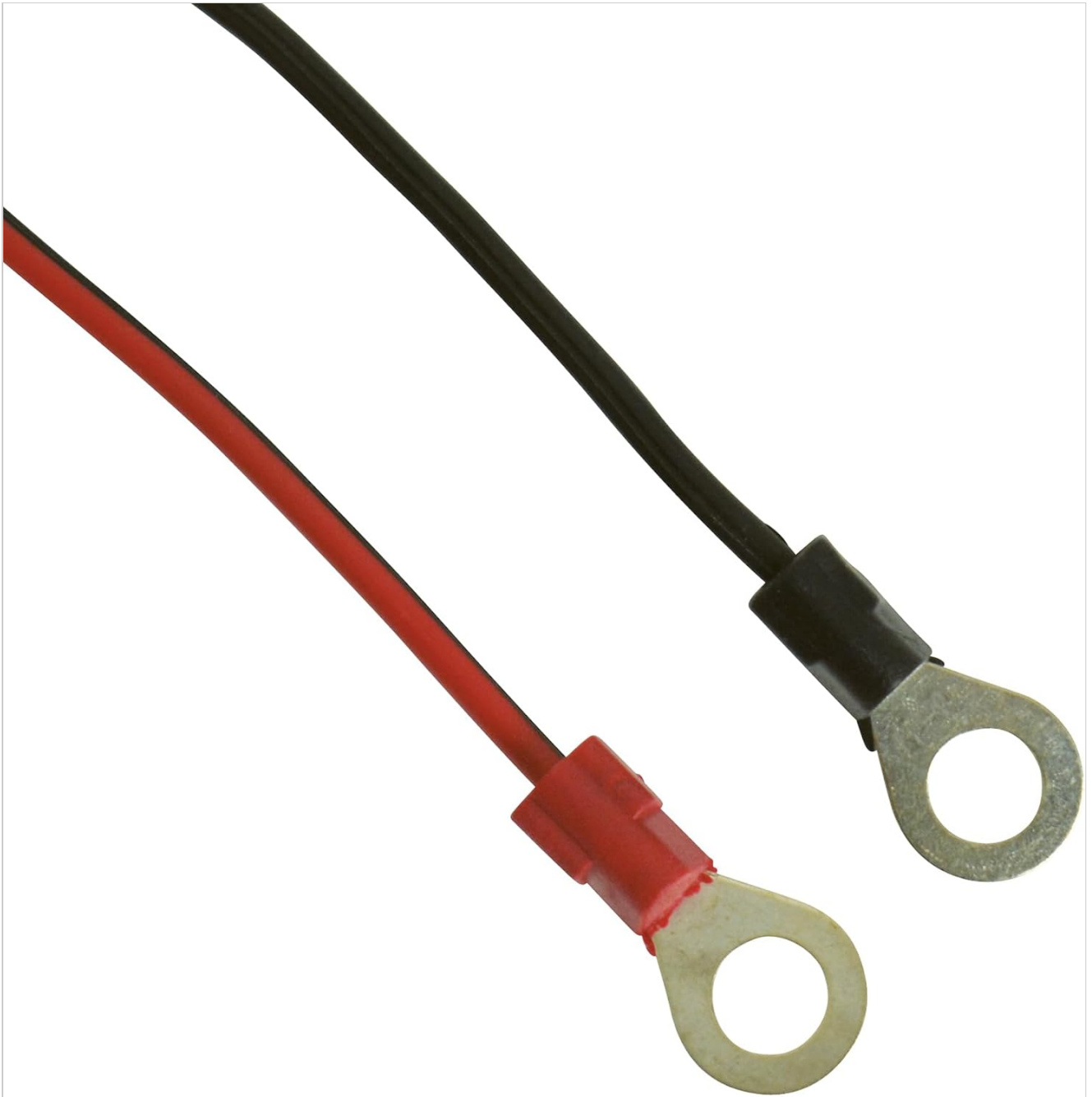


Image 3.1: The Absaar Pro 8.0 charger with its quick-connect battery clamps and ring terminal connectors.

4. Connect to Battery:

- Ensure the charger is **NOT** plugged into the mains power outlet.
- Connect the **red (+)** clamp/ring terminal to the **positive (+)** battery terminal.
- Connect the **black (-)** clamp/ring terminal to the **negative (-)** battery terminal.
- Ensure connections are secure and clean.



Image 3.2: Close-up view of the ring terminal connectors, showing the red positive and black negative terminals.

5. **Connect to Mains Power:** Once the battery connections are secure, plug the charger's power cord into a suitable 230V AC mains power outlet.

4. OPERATING INSTRUCTIONS

The Absaar Pro 8.0 features an intelligent 11-step charging process. The charger will automatically detect the battery voltage (6V or 12V) and type (Lead-Acid, AGM, Gel) and select the appropriate charging mode. However, you can manually select modes if needed.

1. **Power On:** After connecting to the battery and mains power, the charger will power on, and the LCD display will illuminate.
2. **Automatic Detection:** The charger will perform an initial diagnostic check and attempt to detect the battery type and voltage.
3. **Mode Selection:**
 - Press the "MODE" button (visible on the front panel, near the LCD display) to cycle through available charging programs.
 - The display will show indicators for different battery types (STD for standard lead-acid, AGM, GEL) and voltage (6V, 12V).
 - There may also be a "Snow" mode for charging in cold conditions, which adjusts charging parameters for optimal performance at low temperatures.
 - Select the mode that best matches your battery type and conditions.

4. Charging Process:

- Once a mode is selected, the charger will begin the 11-step charging process.
- The LCD display will show the current voltage and charging status.
- The charger will automatically adjust the charging current and voltage throughout the process to optimize battery health and charge level.

5. Charge Completion:

- When the battery is fully charged, the charger will switch to maintenance mode (float charge).
- The display will indicate "FULL" or a similar message, and the voltage will stabilize.
- In maintenance mode, the charger provides a small current to keep the battery at optimal charge without overcharging.

6. Disconnecting:

- First, unplug the charger from the mains power outlet.
- Then, disconnect the black (-) clamp/ring terminal from the negative (-) battery terminal.
- Finally, disconnect the red (+) clamp/ring terminal from the positive (+) battery terminal.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Absaar Pro 8.0 battery charger.

- **Cleaning:** Disconnect the charger from all power sources before cleaning. Wipe the exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Cable Inspection:** Regularly inspect the power cord and battery cables for any cuts, fraying, or damage. Replace damaged cables immediately.
- **Storage:** Store the charger in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure cables are neatly coiled and not kinked.
- **Battery Terminals:** Keep battery terminals clean and free of corrosion for optimal connection.

6. TROUBLESHOOTING

If you encounter issues with your Absaar Pro 8.0 charger, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Charger does not power on.	No mains power; faulty outlet; damaged power cord.	Check mains power supply and outlet. Inspect power cord for damage.
Charger not charging battery.	Incorrect battery connection; deeply discharged battery; incorrect mode selected; battery fault.	Ensure correct polarity and secure connections. For deeply discharged batteries, a specialized recovery charger might be needed first. Verify selected mode matches battery type. If battery is faulty, it may not accept a charge.
"Error" or warning message on display.	Reverse polarity; short circuit; overheating; battery fault.	Disconnect immediately. Check battery connections for correct polarity. Inspect cables for short circuits. Allow charger to cool down if overheating. Test battery with a different device if possible.

Problem	Possible Cause	Solution
Charger gets hot during operation.	Normal operation (some heat is expected); poor ventilation; excessive load.	Ensure adequate ventilation around the charger. If excessively hot, disconnect and allow to cool. If problem persists, contact support.

If the problem persists after trying these solutions, please contact Absaar customer support.

7. TECHNICAL SPECIFICATIONS

Model Number	062076
Input Voltage	12 Volts (AC, implied from standard charger input)
Output Voltage	6V / 12V DC (Switchable)
Charging Current	8 Amperes (Max)
Battery Capacity (Charging)	Up to 160 Ah
Battery Capacity (Maintenance)	Up to 220 Ah
Compatible Battery Types	Lead-Acid, AGM, Gel
Protection Features	Overcharge, Short Circuit, Overheating, Reverse Polarity
Connector Type	Clamps and Ring Terminals (Quick Connect)
Dimensions (L x W x H)	25 cm x 5 cm x 11 cm (approx.)
Country of Origin	Netherlands

8. WARRANTY AND SUPPORT

Warranty Information:

The Absaar Pro 8.0 Battery Charger comes with a **2-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or failure to follow the instructions in this manual. Please retain your proof of purchase for warranty claims.

Customer Support:

For technical assistance, warranty claims, or any questions regarding your Absaar Pro 8.0 Battery Charger, please contact Absaar customer support through their official website or the retailer where the product was purchased.

Manufacturer: Absaar
Model Number: 062076



