

Absaar 77950

Absaar 77950 150W Power Inverter User Manual

Model: 77950

1. INTRODUCTION

The Absaar 77950 150W Power Inverter is designed to convert 12V DC power from your vehicle's battery into 230V AC power, enabling you to operate or charge various electronic devices. This inverter is suitable for powering mobile phones, laptops, and other small appliances. It also includes a convenient USB port for charging. This manual provides essential information for the safe and efficient use of your power inverter.

2. SAFETY INSTRUCTIONS

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

- **Do not open the inverter casing.** There are no user-serviceable parts inside.
- **Keep the inverter away from water, moisture, and flammable materials.**
- **Ensure adequate ventilation.** Do not cover the inverter or block its ventilation openings.
- **Connect the inverter only to a 12V DC power source.** Connecting to a 24V or other voltage source will damage the inverter.
- **Do not exceed the inverter's rated power output (150W continuous, 300W peak).** Overloading can cause damage to the inverter and connected devices.
- **Disconnect the inverter from the power source when not in use.**
- **Avoid direct contact with the AC output terminals.**
- **Keep out of reach of children.**

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Absaar 77950 150W Power Inverter
- Connection Cable (with cigarette lighter plug)
- Integrated USB Port

4. PRODUCT OVERVIEW

Familiarize yourself with the components of your Absaar Power Inverter.



Figure 1: Front view of the Absaar 77950 Power Inverter, showing the AC outlet and USB port.



Figure 2: The Absaar 77950 Power Inverter with its 12V cigarette lighter connection cable.



Figure 3: The Absaar 77950 Power Inverter connected to a vehicle's 12V socket, providing power to a laptop.

5. SETUP

1. **Vehicle Preparation:** Ensure your vehicle's engine is running or the ignition is in the 'ACC' position to provide power to the 12V accessory socket.
2. **Connect Inverter:** Insert the inverter's cigarette lighter plug firmly into your vehicle's 12V accessory socket.
3. **Power On:** The inverter typically powers on automatically when connected. An LED indicator will illuminate to show it is operational.
4. **Connect Devices:** Plug your AC-powered device into the 230V AC outlet or your USB-powered device into the USB port on the inverter.

Important: Always ensure the total power consumption of your connected devices does not exceed 150W. For devices with higher startup power, ensure the peak power does not exceed 300W.

6. OPERATING

Once properly set up, the inverter is ready for use. The LED indicator provides status information:

- **Green LED:** Indicates normal operation.
- **Red LED / Flashing LED:** Indicates an error or warning condition (e.g., low battery, overload, overheating). Refer to the Troubleshooting section.

The inverter features built-in protections:

- **Under-voltage Warning:** Alerts you when the vehicle battery voltage is too low.
- **Temperature Control:** Shuts down the inverter if it overheats.
- **Short-circuit Protection:** Protects against short circuits at the output.
- **Overload Protection:** Shuts down if connected devices draw too much power.
- **Current Control Function:** Manages output current for stable operation.

7. MAINTENANCE

The Absaar 77950 Power Inverter requires minimal maintenance to ensure long-lasting performance.

- **Cleaning:** Periodically wipe the exterior of the inverter with a dry, soft cloth. Do not use liquid cleaners or solvents.
- **Ventilation:** Ensure the ventilation openings are free from dust and debris. Use compressed air if necessary to clear blockages.
- **Storage:** When not in use, store the inverter in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Cable Inspection:** Regularly check the connection cable and plug for any signs of damage, fraying, or corrosion. Replace if damaged.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No power output / Inverter not turning on	- Loose connection - Vehicle's 12V socket not powered - Blown fuse in vehicle or inverter plug - Vehicle battery too low	- Ensure plug is fully inserted. - Check vehicle's ignition or engine status. - Inspect and replace fuse if necessary (consult vehicle manual). - Start vehicle engine to recharge battery.
Inverter shuts down / Red LED	- Overload (too many/powerful devices) - Overheating (poor ventilation) - Low battery voltage - Short circuit	- Reduce connected load; ensure total wattage is below 150W. - Ensure inverter is well-ventilated; clear obstructions. - Start vehicle engine to recharge battery. - Disconnect all devices, then reconnect one by one to identify faulty device.
Device not charging via USB	- Faulty USB cable - Device not compatible	- Try a different USB cable. - Ensure device is designed to charge via standard USB (5V).

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

9. SPECIFICATIONS

Technical details for the Absaar 77950 150W Power Inverter:

Brand	Absaar
Model Number	77950
Input Voltage	12 Volts DC
Output Voltage	230 Volts AC
Continuous Power Output	150 Watts
Peak Power Output	300 Watts (short duration)
Efficiency	85% to 90%
Output Waveform	Square Wave
Total Power Outlets	1 (AC)
USB Port	Yes
Display Type	LED Display

Recommended Uses	Home, Vehicle
Power Source	Vehicle Battery
Included Components	Inverter, Connection Cable, USB Port

10. WARRANTY AND SUPPORT

Absaar products are manufactured to high-quality standards. For warranty information, please refer to the documentation provided with your purchase or contact your retailer. For technical support or service inquiries, please visit the official Absaar website or contact their customer service department. Please have your model number (77950) and purchase details ready when contacting support.

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