

XUNZEL INLI150RU

XUNZEL 150W Power Inverter with USB User Manual

Brand: XUNZEL | Model: INLI150RU

1. INTRODUCTION

Thank you for purchasing the XUNZEL 150W Power Inverter with USB. This device converts 12V DC power from your vehicle's battery into 230V AC power at 50Hz, allowing you to power various electronic devices on the go. It is designed to be compact, lightweight, and easy to install, featuring both an AC outlet and a USB port for versatile use.

Important Safety Information

- Read all instructions before operating the inverter.
- Do not expose the inverter to rain, moisture, or extreme temperatures.
- Ensure proper ventilation around the inverter during operation to prevent overheating.
- Do not connect the inverter to AC distribution wiring.
- Keep out of reach of children.
- Always disconnect the inverter from the power source when not in use or before cleaning.
- This inverter is designed for 12V DC input only. Do not attempt to connect it to a 24V system or higher.

2. PRODUCT OVERVIEW

The XUNZEL 150W Power Inverter is a compact and efficient solution for powering your devices. It features a modified sine wave output and includes essential safety protections.

Key Features:

- 150W continuous power output, 300W peak power.
- Converts 12V DC to 230V AC (modified sine wave).
- Integrated AC outlet with child protection.
- Built-in USB charging port.
- High-quality DC cables with cigarette lighter plug for easy use.
- Comprehensive protection against overvoltage, undervoltage, and overload.
- Compact and round design for portability.

Product Diagram



Figure 2.1: XUNZEL 150W Power Inverter. This image displays the XUNZEL 150W Power Inverter. The cylindrical black unit features a green label indicating 'DC/AC POWER INVERTER 150W USB'. The top of the unit has a red power switch, an AC outlet, and a USB port. A cable with a cigarette lighter plug extends from the base of the inverter.

3. SETUP AND INSTALLATION

1. **Vehicle Compatibility:** Ensure your vehicle has a 12V DC cigarette lighter socket. This inverter is not compatible with 24V systems.
2. **Placement:** Place the inverter on a stable, flat surface in a well-ventilated area. Avoid placing it near heat sources, flammable materials, or in direct sunlight.
3. **Connection:** Insert the cigarette lighter plug of the inverter firmly into your vehicle's 12V accessory socket. Ensure a secure connection.
4. **Power On:** Once connected, press the red power switch on the inverter to turn it on. The LED indicator will illuminate, signifying that the inverter is ready for use.
5. **Device Connection:** You can now plug your AC-powered devices (up to 150W continuous) into the AC outlet or your USB-powered devices into the USB port.

Note: For optimal performance and safety, ensure the total power consumption of your connected devices does not exceed the inverter's continuous power rating of 150W.

4. OPERATING INSTRUCTIONS

Turning On/Off

- To turn on the inverter, press the red power switch. The LED indicator will light up.
- To turn off the inverter, press the red power switch again. The LED indicator will turn off.

Using the AC Outlet

- Ensure the inverter is turned on.
- Plug your AC-powered device into the 230V AC outlet on the inverter.
- Verify that the device's power consumption does not exceed 150W. For devices with motors or compressors, consider their startup (peak) power requirements, which should not exceed 300W.

Using the USB Port

- Ensure the inverter is turned on.
- Connect your USB-powered device (e.g., smartphone, tablet) to the USB port using a compatible USB cable.
- The USB port provides standard 5V DC output for charging.

Important: Some sensitive electronic devices may not operate correctly with a modified sine wave inverter. If your device malfunctions, discontinue use.

5. MAINTENANCE AND CARE

- **Cleaning:** Disconnect the inverter from all power sources before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or solvents.
- **Ventilation:** Regularly check that the ventilation openings are clear of dust and debris to ensure proper airflow and prevent overheating.
- **Storage:** When not in use, store the inverter in a cool, dry place, away from direct sunlight and moisture.

- **Cable Inspection:** Periodically inspect the power cable and plug for any signs of damage. Do not use the inverter if the cable or plug is damaged.

6. TROUBLESHOOTING

If you experience issues with your XUNZEL Power Inverter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power output / Inverter not turning on	<ul style="list-style-type: none"> ◦ Cigarette lighter plug not fully inserted. ◦ Vehicle's 12V socket fuse blown. ◦ Vehicle battery voltage too low. ◦ Inverter's internal fuse blown (rare). 	<ul style="list-style-type: none"> ◦ Ensure the plug is securely inserted. ◦ Check and replace the vehicle's fuse if necessary. ◦ Start the vehicle engine to recharge the battery. ◦ Contact customer support if the inverter is faulty.
Overload protection activated (inverter shuts down)	<ul style="list-style-type: none"> ◦ Connected device's power consumption exceeds 150W. ◦ Device has a high startup surge (e.g., motor). 	<ul style="list-style-type: none"> ◦ Disconnect the device. Reduce the load. ◦ Use devices within the 150W continuous rating. ◦ Restart the inverter.
Device not working correctly with inverter	<ul style="list-style-type: none"> ◦ Device requires a pure sine wave inverter. ◦ Device is incompatible with modified sine wave output. 	<ul style="list-style-type: none"> ◦ Check device specifications for power requirements. ◦ Some sensitive electronics (e.g., medical equipment, certain laser printers) may require a pure sine wave inverter.

7. TECHNICAL SPECIFICATIONS

Parameter	Value
Model Number	INLI150RU
Input Voltage	DC 12V
Output Voltage	AC 230V
Output Frequency	50Hz
Continuous Power	150W
Peak Power	300W (0.5 seconds)

Parameter	Value
USB Output	5V DC (standard USB)
Dimensions (L x W x H)	7 x 19.2 x 7 cm
Weight	550 g
Protections	Overvoltage, Undervoltage, Overload, Short-circuit

8. WARRANTY AND SUPPORT

This XUNZEL product is designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the warranty card included with your purchase or contact your retailer or the manufacturer directly.

Please retain your proof of purchase for any warranty claims.

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