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› [XUNZEL](#) /

› [Xunzel INLI800 800W 12V Power Inverter User Manual](#)

XUNZEL INLI800

Xunzel INLI800 800W 12V Power Inverter User Manual

Model: INLI800 | Brand: Xunzel

1. INTRODUCTION

The Xunzel INLI800 is a modified sine wave power inverter designed to convert 12 Volt DC (Direct Current) power from a battery into 220-240 Volt AC (Alternating Current) household power. This unit provides up to 800 Watts of continuous AC power and can handle peak loads of up to 1600 Watts, making it suitable for various applications in vehicles, homes, or offices. Please read this manual thoroughly before installation and operation to ensure safe and efficient use.



Image 1: The Xunzel INLI800 800W Power Inverter. This image displays the inverter unit, featuring a black casing with heat sinks, a green label indicating "AC/DC POWER INVERTER 800 W", an ON/OFF switch, green "POWER" and red "FAULT" indicator lights, and a European-style AC output socket labeled "OUTPUT: 220-240V AC".

2. SAFETY INSTRUCTIONS

Adherence to these safety guidelines is crucial for preventing personal injury and damage to the inverter or connected devices.

- Read and understand all instructions before operating the inverter.
- Do not expose the inverter to water, rain, or excessive moisture.
- Ensure adequate ventilation around the inverter to prevent overheating. Do not block ventilation openings.
- Do not open the inverter casing. There are no user-serviceable parts inside. Refer servicing to qualified personnel.
- Connect the inverter only to a 12V DC power source. Connecting to other voltages may cause damage.
- Avoid overloading the inverter. The total power consumption of connected devices must not exceed the inverter's continuous power rating.
- Keep children away from the inverter and its connections.
- Ensure all connections are tight and secure to prevent arcing and overheating.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Xunzel INLI800 Power Inverter
- DC Battery Cables
- User Manual

4. FEATURES

The Xunzel INLI800 Power Inverter offers the following key features:

- 800 Watts continuous power output, 1600 Watts peak power.
- Modified sine wave output for efficient power conversion.
- 12 Volt DC input compatibility.
- One integrated AC output socket with child protection.
- Comprehensive protection against overvoltage, undervoltage, and overload.
- Includes high-quality DC battery cables for direct connection.

5. SETUP

Follow these steps to set up your Xunzel INLI800 Power Inverter:

1. **Placement:** Choose a dry, cool, and well-ventilated location for the inverter. Ensure it is away from direct sunlight, heat sources, and flammable materials.
2. **DC Connection:** Connect the supplied DC battery cables to the inverter and your 12V DC battery. Connect the red cable to the positive (+) terminal of the inverter and the battery. Connect the black cable to the negative (-) terminal of the inverter and the battery. Ensure connections are firm and secure. Incorrect polarity will damage the inverter.
3. **Power On:** Once the DC connections are secure, flip the ON/OFF switch on the inverter to the "ON" position. The green "POWER" indicator light should illuminate, indicating the inverter is operational.

6. OPERATING INSTRUCTIONS

To operate the inverter and power your AC devices:

1. **Connecting Devices:** With the inverter powered on (green POWER light illuminated), plug your AC device into the inverter's output socket.
2. **Power Consumption:** Verify that the total wattage of all connected AC devices does not exceed the inverter's continuous power rating of 800W. For devices with high startup current (e.g., motors), ensure their peak power requirement does not exceed 1600W.
3. **Monitoring:** Observe the indicator lights. The green "POWER" light indicates normal operation. If the red "FAULT" light illuminates, it indicates a protection event (e.g., overload, low battery voltage). Refer to the Troubleshooting section.
4. **Shut Down:** To turn off the inverter, first disconnect all AC devices from the output socket. Then, flip the ON/OFF switch to the "OFF" position.

7. MAINTENANCE

Regular maintenance helps ensure the longevity and reliable operation of your inverter:

- **Cleaning:** Keep the inverter's exterior clean and free from dust and debris. Use a dry cloth for cleaning. Do not use liquid cleaners.
- **Ventilation:** Periodically check that the ventilation openings are clear and not obstructed. Blocked vents can lead to overheating.
- **Connections:** Regularly inspect the DC battery cable connections to ensure they remain tight and free from corrosion. Loose connections can cause power loss or overheating.
- **Storage:** If storing the inverter for an extended period, ensure it is in a cool, dry place, disconnected from any power source.

8. TROUBLESHOOTING

This section provides solutions to common issues you might encounter:

Problem	Possible Cause	Solution
No power output, POWER light off.	Inverter is OFF. Low battery voltage. Loose DC cable connections.	Flip ON/OFF switch to "ON". Charge or replace the 12V battery. Check and tighten all DC cable connections.
FAULT light is ON.	Overload condition. Over-temperature. Input voltage too low or too high.	Reduce the total load connected to the inverter. Allow the inverter to cool down in a well-ventilated area. Check battery voltage; ensure it is within the 12V operating range.
AC device not working.	Device power exceeds inverter capacity. Device is incompatible with modified sine wave. Device is faulty.	Verify device wattage is within 800W continuous / 1600W peak. Some sensitive electronics may require pure sine wave inverters. Test the device with a standard AC outlet.

9. SPECIFICATIONS

Technical specifications for the Xunzel INLI800 Power Inverter:

Model: INLI800

Input Voltage: 12V DC

Output Voltage: 220-240V AC

Continuous Power: 800 Watts

Peak Power: 1600 Watts

Output Waveform: Modified Sine Wave

Dimensions: 29 x 21.5 x 6.5 cm

Weight: 2.3 kg

Manufacturer: Xunzel

Included Components: Inverter, Cables

GTIN: 08436044919640

10. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical assistance, or customer support, please contact your original retailer or the manufacturer directly. It is recommended to retain your purchase receipt as proof of purchase for any warranty claims.