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› LANDERPOW 1000 Watt Pure Sine Wave Inverter Instruction Manual

LANDERPOW LANDERPOW-1000W-PSW

LANDERPOW 1000 Watt Pure Sine Wave Inverter Instruction Manual

Model: LANDERPOW-1000W-PSW | Brand: LANDERPOW

1. INTRODUCTION

Thank you for choosing the LANDERPOW 1000 Watt Pure Sine Wave Inverter. This device is designed to convert 12V DC power from your vehicle or battery into stable 120V AC power, suitable for a wide range of electronic devices. With 1000W continuous power and 2000W surge capability, it provides reliable power for your car, RV, camping trips, solar setups, and home backup needs. This manual provides essential information for safe and efficient operation.

2. WHAT'S IN THE BOX

- 1x 1000W Pure Sine Wave Inverter
- 2x 7AWG Jumper Battery Cables (2FT)
- 1x Ground Cable (1.65FT)
- 1x Remote Controller (15FT)
- 1x Professional User Manual

What's in the LANDERPOW Package



Image: The LANDERPOW 1000W Pure Sine Wave Inverter shown with its included accessories: two 7AWG battery jumper cables (red and black), one ground cable (yellow), and a 15ft wired remote controller.

3. SAFETY INFORMATION

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

- **Proper Ventilation:** Ensure adequate ventilation around the inverter to prevent overheating. Do not block cooling vents.
- **Correct Polarity:** Always connect the positive (+) terminal of the inverter to the positive (+) terminal of the battery, and the negative (-) terminal to the negative (-) terminal. Reverse polarity can cause severe damage to the inverter and battery.
- **Grounding:** Properly ground the inverter to prevent electric shock.
- **Load Limits:** Do not exceed the inverter's continuous power rating (1000W) or surge power rating (2000W). Overloading can damage the inverter and connected devices.

- **Environmental Conditions:** Avoid exposing the inverter to water, rain, snow, or any liquids. Do not operate in flammable environments.
- **Built-in Protections:** The inverter features undervoltage, overvoltage, overload, overheating, short circuit, and reverse connection protection. If any of these conditions occur, the inverter will automatically shut down to prevent damage.

4. PRODUCT FEATURES

- **1000W Continuous Power (2000W Surge):** Provides stable and clean power for various devices, capable of handling heavy startups.
- **Pure Sine Wave Output:** Delivers grid-quality AC power, ideal for sensitive electronics like LEDs, laptops, CPAPs, and audio equipment, preventing hum or flicker.
- **High Conversion Efficiency:** Over 91% efficiency minimizes battery energy waste.
- **Multiple Output Ports:** Features 3 AC outlets, 1x 5V/3.1A USB port, and 1x 30W PD USB-C port for versatile charging.
- **Smart LED Remote Control:** A 15ft wired remote with an LED screen displays real-time battery levels, output, and error codes, allowing for convenient monitoring and control from a distance.
- **Durable Construction:** Rugged, heat-dissipating full metal shell ensures long-term use and withstands harsh environments like RV vibrations and emergency surges.
- **Comprehensive Safety Protections:** Includes undervoltage, overvoltage, overload, overheating, short circuit, and reverse connection protection.
- **High-Quality Battery Cables:** Comes with two 7AWG/2FT thickened battery cables for safe and efficient power transfer.



Image: A detailed view of the remote control's LED display, showing real-time information such as DC input voltage, AC output wattage, battery remaining capacity, and indicators for voltage, overload, and fan status.



Image: The front panel of the LANDERPOW inverter, highlighting its three AC outlets, one USB-A port, and one USB-C port, providing versatile connectivity for various devices.

5. SETUP & INSTALLATION

Follow these steps to safely install and connect your LANDERPOW Pure Sine Wave Inverter:

- 1. Prepare the Battery:** Ensure your 12V battery is fully charged and in good condition. Turn off the vehicle engine and any loads connected to the battery.
- 2. Connect Battery Cables to Inverter:**
 - Unscrew the nuts on the positive (+) red terminal and negative (-) black terminal of the inverter.
 - Attach the ring terminal of the red battery cable to the positive (+) terminal and tighten the nut securely.
 - Attach the ring terminal of the black battery cable to the negative (-) terminal and tighten the nut securely.
- 3. Connect Battery Cables to Battery:**
 - Connect the other end of the red battery cable to the positive (+) terminal of your 12V battery.
 - Connect the other end of the black battery cable to the negative (-) terminal of your 12V battery.
- 4. Connect Ground Cable:** Attach the ground cable to the inverter's ground terminal and to a suitable ground point (e.g., vehicle chassis or ground rod).
- 5. Connect Remote Control (Optional):** Plug the 15ft remote control cable into the 'REMOTE' port on the inverter.

DC 12V 1000W-4000W Pure Sine Wave Inverter-Select from 6 Power Models

Perfect for Varied Off-Grid Energy Demands

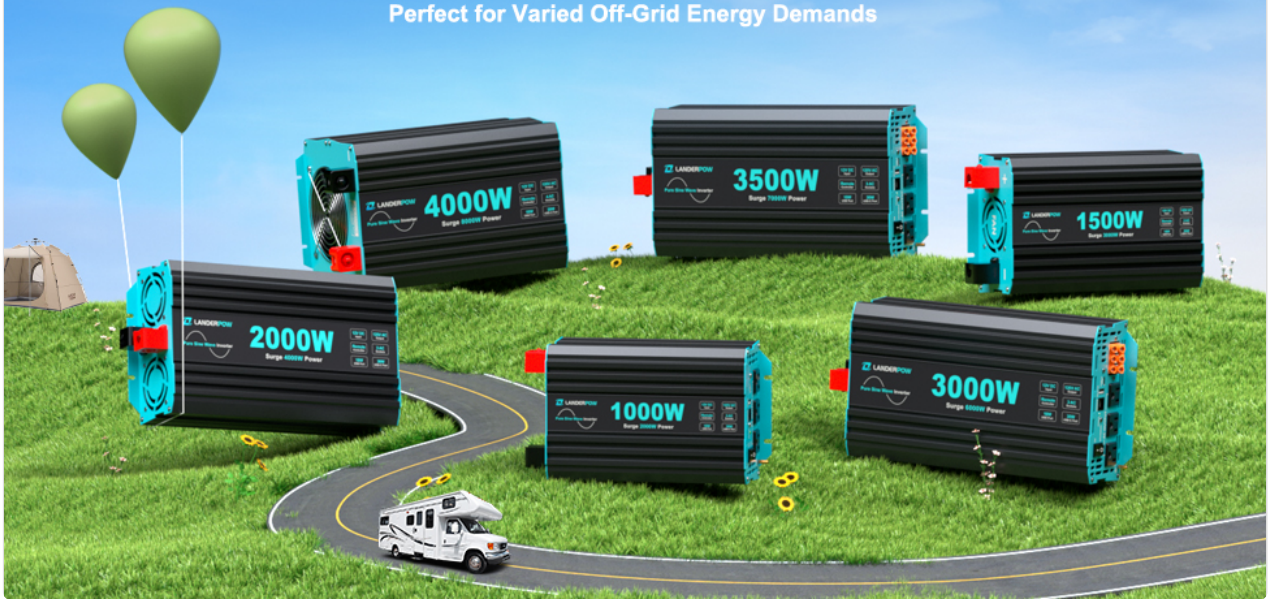


Image: The LANDERPOW 1000W inverter connected to a car battery in an engine bay, demonstrating a typical installation scenario for mobile power.



Image: The LANDERPOW inverter connected to a 12V battery and a solar panel, illustrating its use in a solar power system for off-grid applications.

Video: This video demonstrates the setup and connection of the LANDERPOW 2000 Watt Pure Sine Wave Inverter for home use, showing how to connect it to a battery system.

6. OPERATING INSTRUCTIONS

- Power On:** Once all connections are secure, press the power button on the inverter or the remote control to turn it on. The LED display on the remote will illuminate, showing current status.
- Connect Devices:** Plug your AC devices into the 3 AC outlets and your USB devices into the USB-A or USB-C ports.
- Monitor Performance:** Use the remote control's LED screen to monitor input voltage, output wattage, battery level, and any error codes.
- Power Off:** To turn off the inverter, press the power button again. Disconnect all devices before turning off the inverter.

Smart Remote with LED Digital Display & 15ft Cable for Indoor/Outdoor Use



Image: The LANDERPOW inverter positioned inside an RV, demonstrating its use to power various devices for comfortable travel and living.

Video: This video showcases the LANDERPOW Pure Sine Wave Inverter with its LED screen remote, demonstrating how to monitor and control the inverter's functions.

7. MAINTENANCE

- **Cleaning:** Regularly clean the exterior of the inverter with a dry cloth. Ensure cooling vents are free from dust and debris to maintain optimal airflow.
- **Cable Inspection:** Periodically check battery cables and connections for any signs of wear, corrosion, or looseness. Tighten connections as needed.
- **Storage:** If storing the inverter for an extended period, disconnect it from the battery and store it in a cool, dry place.

8. TROUBLESHOOTING

The remote control's LED screen will display error codes if an issue occurs. Refer to the table below for common issues and their solutions:

Error Code/Indicator	Problem	Solution
Low Voltage Alarm	Battery voltage is too low.	Recharge or replace the battery.
High Voltage Alarm	Battery voltage is too high.	Check battery type and charging system.

Error Code/Indicator	Problem	Solution
Overload Warning	Connected load exceeds inverter's capacity.	Reduce the load by disconnecting some devices.
Overheating Alarm	Inverter is too hot.	Ensure proper ventilation, clear vents, reduce load.
Short Circuit Protection	Short circuit detected at AC output.	Disconnect all AC devices and restart the inverter. Check for faulty wiring.
Reverse Connection	Battery cables connected incorrectly.	Immediately disconnect and reconnect cables with correct polarity.

9. SPECIFICATIONS

- **Model Name:** LANDERPOW-1000W-PSW
- **Wattage:** 1000 watts (Continuous), 2000 watts (Surge)
- **Input Voltage:** 12V DC
- **Output Voltage:** 120V AC
- **Output Waveform:** Pure Sine Wave
- **Efficiency:** >91%
- **USB-A Output:** 5V/3.1A
- **USB-C (PD) Output:** 30W
- **Product Dimensions:** 8.54 x 5.75 x 3.15 inches
- **Item Weight:** 3.63 pounds
- **Power Source:** Solar and Battery Powered
- **Recommended Uses:** Emergency Power, RV, Truck, Home, Off-Grid, Solar, Car, Vehicles, Trailer, Boat, Van Life, Camping.

10. WARRANTY & SUPPORT

The LANDERPOW 1000 Watt Pure Sine Wave Inverter comes with an Extra Long 3-Year Total Coverage, which includes:

- 1-Year No-hassle Replacement
- 2-Year Extended Support

For any questions or support needs, please contact us via email. Our customer service team is available to assist you within 12 hours.



Image: A customer service representative with a headset, symbolizing the available 24-hour, 12-month standby support for the product.