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NOVOPAL PT3000W 12V

NOVOPAL 3000W Pure Sine Wave Inverter 12V to 220V/230V User Manual

1. Introduction

This manual provides essential information for the safe and efficient operation of your NOVOPAL 3000W Pure Sine Wave Inverter. Please read these instructions carefully before installation and use. Keep this manual for future reference.

Key Features:

- **Pure Sine Wave Output:** Converts 12V DC to stable 220V/230V AC, suitable for sensitive electronics. Provides 3000W continuous power and 6000W peak power.
- **Comprehensive Protection:** Equipped with multiple safety mechanisms including short-circuit, over-voltage, under-voltage, output short-circuit, overload, over-current, and over-temperature protection.
- **Durable Design:** Robust metal casing protects against drops and impacts. Features a temperature-controlled silent fan for optimal low-temperature operation.
- **Wired Remote Control:** Includes a 5-meter wired remote for convenient power management from a distance.
- **Wide Application:** Ideal for powering sensitive electrical appliances (e.g., laptops, cameras) and high-power equipment (e.g., drills, microwave ovens) in trucks, RVs, camping, and travel scenarios.

2. Safety Instructions

Observe the following safety precautions to prevent injury and damage to the inverter or connected devices:

- Ensure proper ventilation around the inverter to prevent overheating.
- Do not expose the inverter to water, rain, or excessive moisture.
- Connect the inverter only to a 12V DC power source.
- Always connect the ground wire to a proper earth ground.
- Do not reverse polarity when connecting battery cables. This will cause severe damage.
- Keep flammable materials away from the inverter.
- Do not open the inverter casing; there are no user-serviceable parts inside.
- Disconnect the inverter from the battery before performing any maintenance or cleaning.

3. Package Contents

Verify that all items are present in your package:

- 1 x NOVOPAL 3000W Pure Sine Wave Inverter
- 1 x User Manual (French and English)
- 4 x Battery Cables (2 red for positive, 2 black for negative)
- 1 x Wired Remote Control (with 5-meter cable)
- 4 x Spare Fuses
- 1 x Wrench
- 1 x Ground Wire



Image: Package contents of the NOVOPAL 3000W Pure Sine Wave Inverter.

4. Setup Instructions

4.1 Component Overview

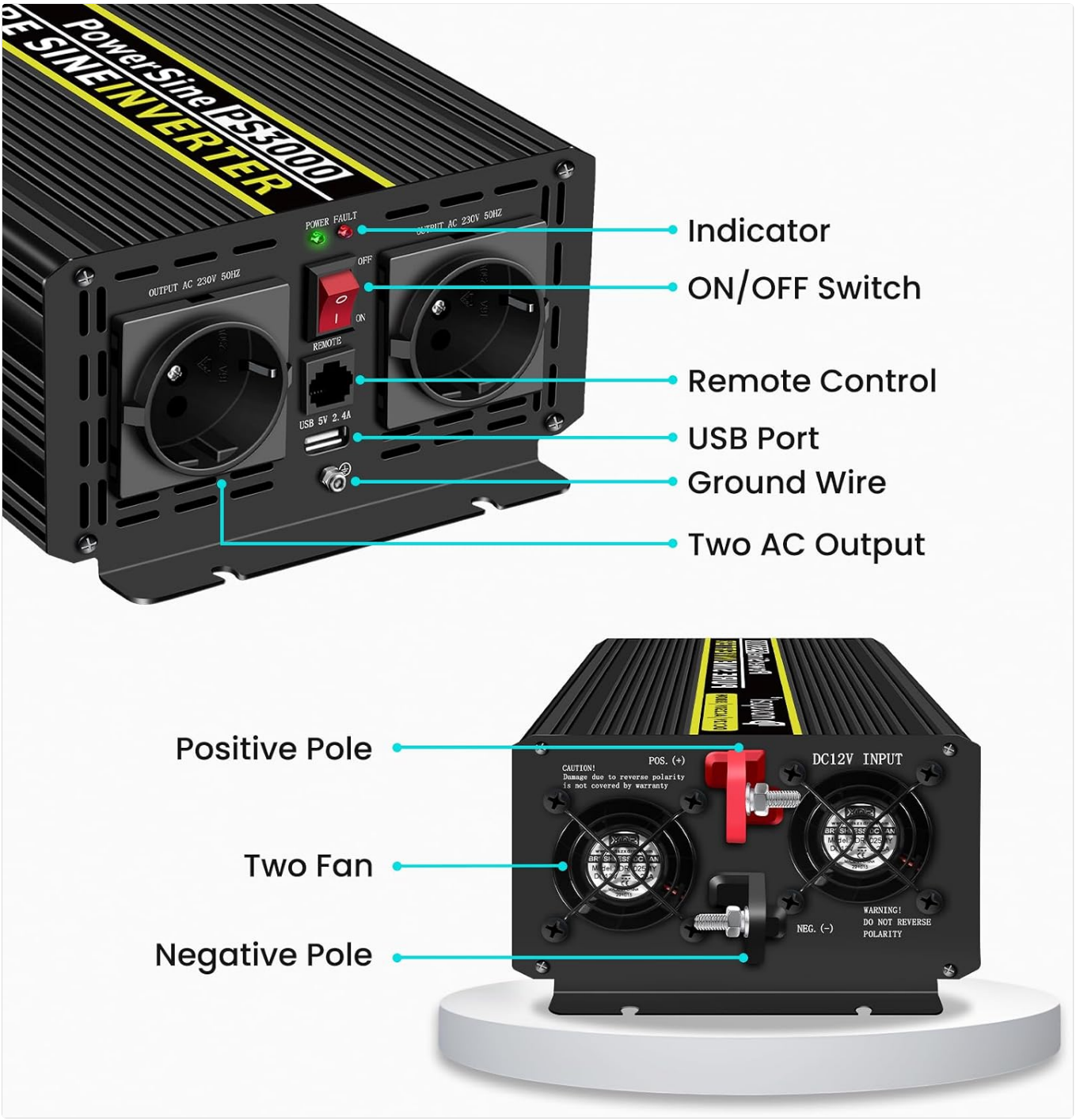


Image: Front and rear view of the inverter, showing AC outlets, USB port, ON/OFF switch, remote control port, indicator, ground wire terminal, positive pole, negative pole, and cooling fans.

4.2 Connecting the Inverter to the Battery

1. Ensure the inverter is switched OFF.
2. Connect the red battery cable to the positive (+) terminal of the inverter and the positive (+) terminal of the 12V battery. Tighten securely with the provided wrench.
3. Connect the black battery cable to the negative (-) terminal of the inverter and the negative (-) terminal of the 12V battery. Tighten securely.
4. Connect the ground wire to the inverter's ground terminal and to a proper earth ground.



Image: Detailed view of battery cable connections to the inverter.

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4.3 Connecting the Wired Remote Control

1. Locate the remote control port on the inverter (usually an RJ45 port).
2. Plug one end of the 5-meter remote control cable into the inverter's remote port.
3. The other end connects to the remote control unit.



Image: The wired remote control unit with battery indicator and power button.

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5. Operating Instructions

5.1 Powering On/Off

1. After connecting the battery and remote control, switch the main power button on the inverter to the 'ON' position. The indicator light should turn green.
2. You can also use the ON/OFF button on the wired remote control to power the inverter on or off.

5.2 Connecting AC Devices

1. Plug your AC appliances into the EU AC outlets on the front of the inverter.

2. For USB-powered devices, use the USB port.
3. Ensure the total power consumption of your devices does not exceed the inverter's continuous power rating (3000W).

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5.3 Applications



Image: Examples of outdoor, household, and electronic equipment powered by the inverter.



Image: Inverter powering home entertainment and kitchen appliances.



Image: Inverter powering camping and outdoor cooking appliances.



Image: Inverter powering power tools for various tasks.

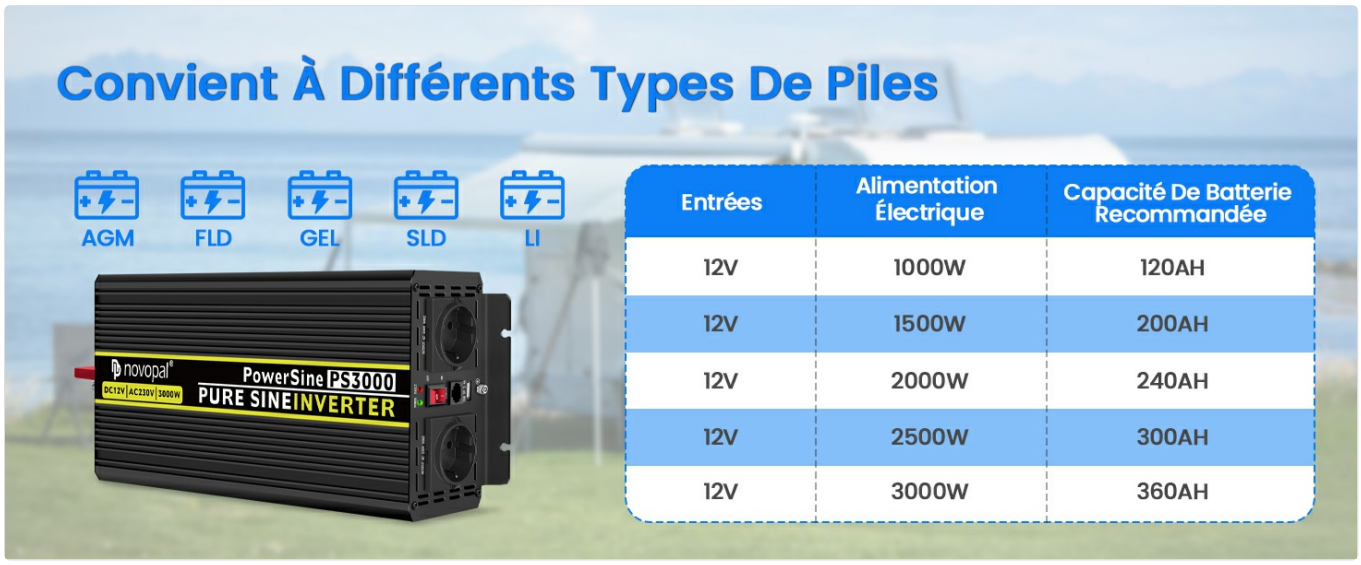


Image: Inverter charging portable electronic devices outdoors.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your inverter:

- **Cleaning:** Periodically clean the exterior of the inverter with a dry, soft cloth. Ensure ventilation openings are free from dust and debris. Do not use liquid cleaners.
- **Connections:** Regularly check all electrical connections (battery cables, ground wire) to ensure they are tight and free from corrosion.
- **Ventilation:** Ensure the inverter is placed in a well-ventilated area, allowing for proper airflow to the cooling fans.
- **Fuse Replacement:** If a fuse blows, replace it with a fuse of the same type and rating. Refer to the specifications for fuse details. Always disconnect the battery before replacing fuses.

7. Troubleshooting

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

Problem	Possible Cause	Solution
No power output	Inverter is off; loose battery connections; low battery voltage; blown fuse.	Turn on the inverter; check and tighten battery connections; charge or replace battery; check and replace fuses.
Overload alarm/shutdown	Connected appliance power exceeds inverter rating.	Reduce the load by disconnecting some appliances. Ensure total wattage is within inverter limits.
Over-temperature shutdown	Poor ventilation; excessive load; high ambient temperature.	Ensure adequate ventilation; reduce load; allow inverter to cool down.
Low voltage alarm/shutdown	Battery voltage is too low.	Charge the battery immediately.

Problem	Possible Cause	Solution
High voltage alarm/shutdown	Input voltage exceeds safe limits.	Check battery voltage; ensure correct 12V battery is used.

8. Specifications

Feature	Specification
Brand	NOVOPAL
Model Name	Pure Sine Wave Inverter
Model Number	PT3000W 12V
Power (Continuous)	3000 Watts
Peak Output Power	6000 Watts
Input Voltage	12 Volts DC
Output Voltage	220-230 Volts AC
Output Waveform	Pure Sine Wave
Frequency	50 Hz
Efficiency	92%
Number of AC Outlets	2 (EU type)
USB Output	1 (2.4A)
Battery Capacity (Recommended)	360 Amp-hours
Product Dimensions (L x W x H)	42L x 16.5W x 8.5H cm
Item Weight	9.48 Pounds (approx. 4.3 kg)
Display Type	LCD
UPC	750440485560
Part Number	PS3000
Country of Origin	China
Manufacturer	NOVOPAL



Image: Recommended battery capacities for various inverter power levels and compatible battery types.

9. Warranty and Support

Your NOVOPAL 3000W Pure Sine Wave Inverter comes with a**1-Year Warranty Against Manufacturer Defects**. Please retain your proof of purchase for warranty claims.
For technical support, troubleshooting assistance, or warranty inquiries, please contact NOVOPAL customer service through the retailer where you purchased the product or visit the official NOVOPAL website for contact information.

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.

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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.

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