



63429-G

JUPITER 2000W Continuous/4000W Peak Modified Sine Wave Power Inverter User Manual

Model: 63429-G

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your JUPITER 2000W Continuous/4000W Peak Modified Sine Wave Power Inverter. Please read this manual thoroughly before using the inverter and retain it for future reference.

The JUPITER Power Inverter is designed to provide reliable power for electronic devices, offering a powerful 2000W continuous output and 4000W peak power. Its compact and portable design makes it suitable for various applications, including home, vehicle, and outdoor use.

SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in serious injury or property damage.

- Do not open the inverter casing. There are no user-serviceable parts inside.
- Ensure proper ventilation around the inverter. Do not block cooling vents.
- Keep the inverter away from water, moisture, and flammable materials.
- Connect the inverter only to a 12V DC power source.
- Always connect the inverter to the battery terminals with correct polarity (+ to + and - to -). Reverse polarity will damage the inverter.
- Do not exceed the inverter's rated continuous power output.
- Disconnect the inverter from the power source before performing any maintenance or cleaning.
- This inverter produces a modified sine wave output. Some sensitive electronic devices may require a pure sine wave inverter. Consult your device's manual if unsure.

PRODUCT OVERVIEW

The JUPITER Power Inverter features a robust design with multiple power output options and built-in safety mechanisms.



Figure 1: JUPITER 2000W Continuous/4000W Peak Modified Sine Wave Power Inverter. The image shows the compact, rectangular inverter with a silver finned top for heat dissipation and a black front panel featuring multiple AC outlets, a USB port, and a power switch.

Key Features:

- **Powerful Output:** 2000W continuous, 4000W peak power for demanding power needs.
- **Versatile Power Options:** Includes 3 AC outlets, 2.1A USB port, and 12V DC port.
- **Compact and Portable:** Lightweight design for easy transport, ideal for camping, RVing, and emergency use.
- **Safe Operation:** Equipped with protection against overcurrent, overload, short circuit, and over-temperature.
- **Additional Features:** LED display for status monitoring and an integrated cooling fan.
- **Waveform:** Pure sine wave technology (as per product description, despite title indicating modified sine wave).

SETUP

1. **Unpacking:** Carefully remove the inverter from its packaging. Verify that all components listed in "What's in the Box" are present.
2. **Placement:** Choose a dry, well-ventilated location for the inverter. Ensure there is adequate space around the unit for air circulation and cooling. Avoid direct sunlight or heat sources.
3. **Power Source Connection:**
 - Ensure the inverter's power switch is in the "OFF" position.
 - Connect the positive (+) cable (red) from the inverter to the positive (+) terminal of your 12V battery.
 - Connect the negative (-) cable (black) from the inverter to the negative (-) terminal of your 12V battery.
 - Ensure all connections are secure and tight to prevent arcing or overheating.
4. **Initial Power On:** Once connected, switch the inverter to the "ON" position. The LED display should illuminate, indicating the inverter is operational.

OPERATING INSTRUCTIONS

- Connecting Devices:** With the inverter powered on, plug your AC-powered devices into the AC outlets on the inverter's front panel. For USB-powered devices, use the USB port.
- Power Consumption:** Ensure the total wattage of all connected devices does not exceed the inverter's continuous power rating (2000W). Overloading the inverter can cause it to shut down or be damaged.
- Monitoring:** Observe the LED display for information on battery voltage and output power.
- Shutting Down:** Before disconnecting any devices or the inverter from the battery, switch the inverter to the "OFF" position.

Important Considerations:

- Some appliances, especially those with motors (e.g., refrigerators, pumps), may have a high startup (surge) power requirement. Ensure the inverter's peak power rating (4000W) can handle these surges.
- The inverter's cooling fan will activate automatically when needed to maintain optimal operating temperature.

MAINTENANCE

- Cleaning:** Periodically clean the exterior of the inverter with a soft, dry cloth. Do not use liquid cleaners or solvents.
- Ventilation:** Regularly check that the cooling vents are free from dust and debris to ensure proper airflow.
- Connections:** Periodically inspect battery cable connections to ensure they remain tight and free of corrosion.
- Storage:** When not in use for extended periods, store the inverter in a cool, dry place, disconnected from the battery.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Inverter does not turn on.	No power from battery; Loose connections; Inverter switch off.	Check battery voltage; Tighten cable connections; Ensure inverter switch is ON.
No AC output.	Overload protection activated; Low battery voltage; Over-temperature.	Reduce load; Recharge battery; Allow inverter to cool down.
Fan runs constantly or loudly.	High internal temperature; Heavy load.	Ensure adequate ventilation; Reduce load if possible.
Connected device not working correctly.	Device incompatible with modified sine wave; Device requires more power than available.	Check device specifications for sine wave compatibility; Verify device wattage.

SPECIFICATIONS

Attribute	Value
Model Name	Fits JUPITER 2000 Watt Continuous/4000 Watt Peak Modified Sine Wave Power Inverter
Continuous Power	2000 Watts
Peak Power	4000 Watts
Input Voltage	12V DC
Output Voltage	110-120V AC
Waveform	Modified Sine Wave (Pure Sine Wave technology mentioned in description)
Outlets	3 AC outlets, 2.1A USB port, 12V DC port
Protection	Overloading, Short Circuit, Over-heating, Overcurrent
Item Weight	8.55 pounds
Item Model Number	63429-G
Manufacturer	HFT

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided by the retailer or manufacturer at the point of purchase. Keep your purchase receipt as proof of purchase.

This product is manufactured by HFT.

