

Fits JUPITER 1000 Watt Continuous/2000 Watt Peak Modified Sine Wave Power Inverter

Jupiter 1000 Watt Continuous/2000 Watt Peak Modified Sine Wave Power Inverter User Manual

Model: Fits JUPITER 1000 Watt Continuous/2000 Watt Peak Modified Sine Wave Power Inverter

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Jupiter 1000 Watt Continuous/2000 Watt Peak Modified Sine Wave Power Inverter. Please read all instructions carefully before use to ensure proper functionality and to prevent damage to the unit or connected devices.

Important Safety Information

- Always connect the inverter to a 12V DC power source.
- Ensure adequate ventilation around the inverter to prevent overheating.
- Do not expose the inverter to water, rain, or excessive moisture.
- Keep out of reach of children.
- Do not disassemble the inverter; refer servicing to qualified personnel.
- Avoid connecting devices that exceed the inverter's continuous or peak wattage ratings.

PRODUCT FEATURES

- High surge capacity for products that require power up to 2000 watts to start.
- Continuous power output up to 1000 watts.
- Protection from low/high voltage, high temperatures, and high currents.
- Modified sine wave output for up to 88% efficiency.
- Two 120V AC outlets for standard appliances.
- One 2.1 amp USB port, compatible with all smartphones and tablets.
- Short circuit and overload protection for enhanced safety.

PACKAGE CONTENTS

- Jupiter 1000W/2000W Peak Modified Sine Wave Power Inverter Unit
- Battery Connection Cables (Red for Positive, Black for Negative)
- User Manual

SETUP AND INSTALLATION

Follow these steps for safe and correct installation of your power inverter:

1. **Choose a Location:** Select a dry, well-ventilated area for the inverter. Ensure it is away from direct sunlight, heat sources, and flammable materials. The inverter should be placed on a stable, flat surface.
2. **Prepare the Power Source:** Ensure the vehicle's engine is off and the ignition is in the OFF position. If connecting to a vehicle battery, ensure the battery terminals are clean and free of corrosion.
3. **Connect Battery Cables:**
 - Connect the **red** positive (+) cable to the **red** positive (+) terminal on the inverter.
 - Connect the **black** negative (-) cable to the **black** negative (-) terminal on the inverter.
 - Connect the other end of the **red** positive (+) cable to the **positive (+) terminal** of your 12V battery.
 - Connect the other end of the **black** negative (-) cable to the **negative (-) terminal** of your 12V battery.

***Important:** Ensure all connections are tight and secure to prevent arcing or poor performance. Connect the inverter to the battery before connecting any devices to the inverter.*

4. **Grounding (Optional but Recommended):** For added safety, connect a grounding wire from the inverter's grounding terminal (if present) to a good chassis ground point on your vehicle or a suitable earth ground.



Figure 1: The Jupiter Power Inverter shown with various compatible electronic devices it can power, including a smartphone, laptop, portable radio, power drill, and a fan.

OPERATING INSTRUCTIONS

1. **Power On:** After all connections are secure, press the power switch on the front of the inverter to the 'ON' position. The power indicator light should illuminate.
2. **Connect Devices:** Plug your 120V AC devices into the AC outlets and/or your USB devices into the USB port. Ensure the total wattage of all connected devices does not exceed the inverter's continuous power rating (1000 watts).
3. **Monitor Load:** If the inverter's overload protection activates (indicated by an alarm or warning light), immediately disconnect some devices to reduce the load.
4. **Power Off:** When finished, first turn off and unplug all connected devices. Then, switch the inverter's power switch to the 'OFF' position.



Figure 2: A detailed view of the Jupiter Power Inverter's front panel, highlighting the two 120V AC outlets, the 2.1A USB port, and the main power switch.

MAINTENANCE

- **Cleaning:** Periodically clean the exterior of the inverter with a dry, soft cloth. Do not use liquid cleaners or solvents. Ensure ventilation openings are free from dust and debris.
- **Connections:** Regularly check battery cable connections to ensure they remain tight and free of corrosion.
- **Storage:** When not in use, store the inverter in a cool, dry place, away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power output	Inverter switch is OFF Loose battery connections Low battery voltage Overload protection activated	Turn switch ON Check and tighten connections Recharge or replace battery Reduce load, restart inverter

Problem	Possible Cause	Solution
Low power output	Excessive cable length/gauge Weak battery	Use shorter, thicker cables Charge or replace battery
Inverter shuts down	Overload Overheating Low/High input voltage	Reduce load Ensure proper ventilation Check battery voltage

SPECIFICATIONS

Feature	Specification
Model Name	Fits JUPITER 1000 Watt Continuous/2000 Watt Peak Modified Sine Wave Power Inverter
Continuous Wattage	1000 watts
Peak Wattage	2000 watts
Power Source	Battery Powered, Corded Electric (12V DC input)
Output Voltage	120V AC
USB Output	2.1A
Item Weight	2.7 pounds
Brand	Generic
Manufacturer	HFT
Country of Origin	China
Recommended Uses	Recreational Vehicle, Camping, Road trips, Travel, Small electronics

WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. For specific warranty details, claims, or technical support, please refer to the documentation included with your purchase or contact the manufacturer directly. Keep your purchase receipt as proof of purchase.