

FONOBO Inverter

FONOBO 4000W Power Inverter User Manual

Model: Inverter (220V 4000W)

1. IMPORTANT SAFETY INSTRUCTIONS

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

- **Ventilation:** Ensure adequate ventilation around the inverter. Do not cover ventilation openings.
- **Dry Environment:** Do not expose the inverter to water, rain, or spray. Operate in a dry environment.
- **Proper Connection:** Connect the inverter only to a 12V DC power source. Incorrect voltage can damage the unit and connected devices.
- **Polarity:** Always observe correct polarity when connecting to the battery (Red to Positive, Black to Negative). Reverse polarity will trigger protection and may cause damage.
- **Load Capacity:** Do not exceed the rated continuous power of 300W/500W (depending on model) or the peak power of 4000W/6000W. Ensure the total rated power of connected devices is $\leq 300W/500W$.
- **Children:** Keep the inverter out of reach of children.
- **Heat:** The inverter generates heat during operation. Avoid placing it near flammable materials.
- **Internal Fuses:** The inverter has internal fuses for protection. Do not attempt to replace them yourself.

2. PRODUCT OVERVIEW

The FONOBO Power Inverter converts 12V DC power from your vehicle battery into 220V AC household power, making it suitable for various applications such as camping, outdoor activities, and emergency power supply. It features dual USB ports for charging mobile devices and multiple safety protection functions.

Key Features:

- Modified Sine Wave Output
- LED Battery Display for capacity monitoring
- Dual USB Ports for fast charging

- Multiple Safety Protections: Reverse polarity, low/high input voltage, over-current, short circuit, over-temperature, overload.
- Intelligent Cooling Fan
- Compact and Lightweight Design

Components:



Figure 2.1: Front and Rear View of the FONOBO Power Inverter with labeled components.

- **Plastic Shell:** Durable outer casing.
- **Universal Socket:** For connecting 220V AC devices.
- **On/Off Switch:** Controls the power to the inverter.
- **Dual USB Ports:** For charging USB-powered devices.
- **Red Fault Light:** Indicates an error or protection mode.
- **Green Work Light:** Indicates normal operation.
- **Battery Capacity Display:** LED display showing battery charge level.

- **Cooling Fan:** Activates to dissipate heat during operation.
- **(+) Positive DC Terminals:** Red terminal for positive battery connection.
- **(-) Negative DC Terminals:** Black terminal for negative battery connection.

3. SETUP AND INSTALLATION

Proper installation is crucial for safe and efficient operation of your power inverter.

Connecting to a 12V DC Power Source:

The inverter can be connected to a 12V DC power source using either the included battery clips or the cigarette lighter plug.



Figure 3.1: FONOBO Power Inverter with connection accessories.

1. Battery Clip Connection (Recommended for higher power loads):

- Ensure the inverter's power switch is in the 'OFF' position.
- Connect the red battery clip cable to the (+) Positive DC Terminal on the inverter and the positive

terminal of your 12V battery.

- Connect the black battery clip cable to the (-) Negative DC Terminal on the inverter and the negative terminal of your 12V battery.
- Ensure all connections are tight and secure.

2. Cigarette Lighter Plug Connection (For lower power loads, typically up to 150W):

- Ensure the inverter's power switch is in the 'OFF' position.
- Plug the cigarette lighter cable into the DC input port of the inverter.
- Insert the cigarette lighter plug into your vehicle's 12V cigarette lighter socket.

Example Connection Diagram (Solar System):

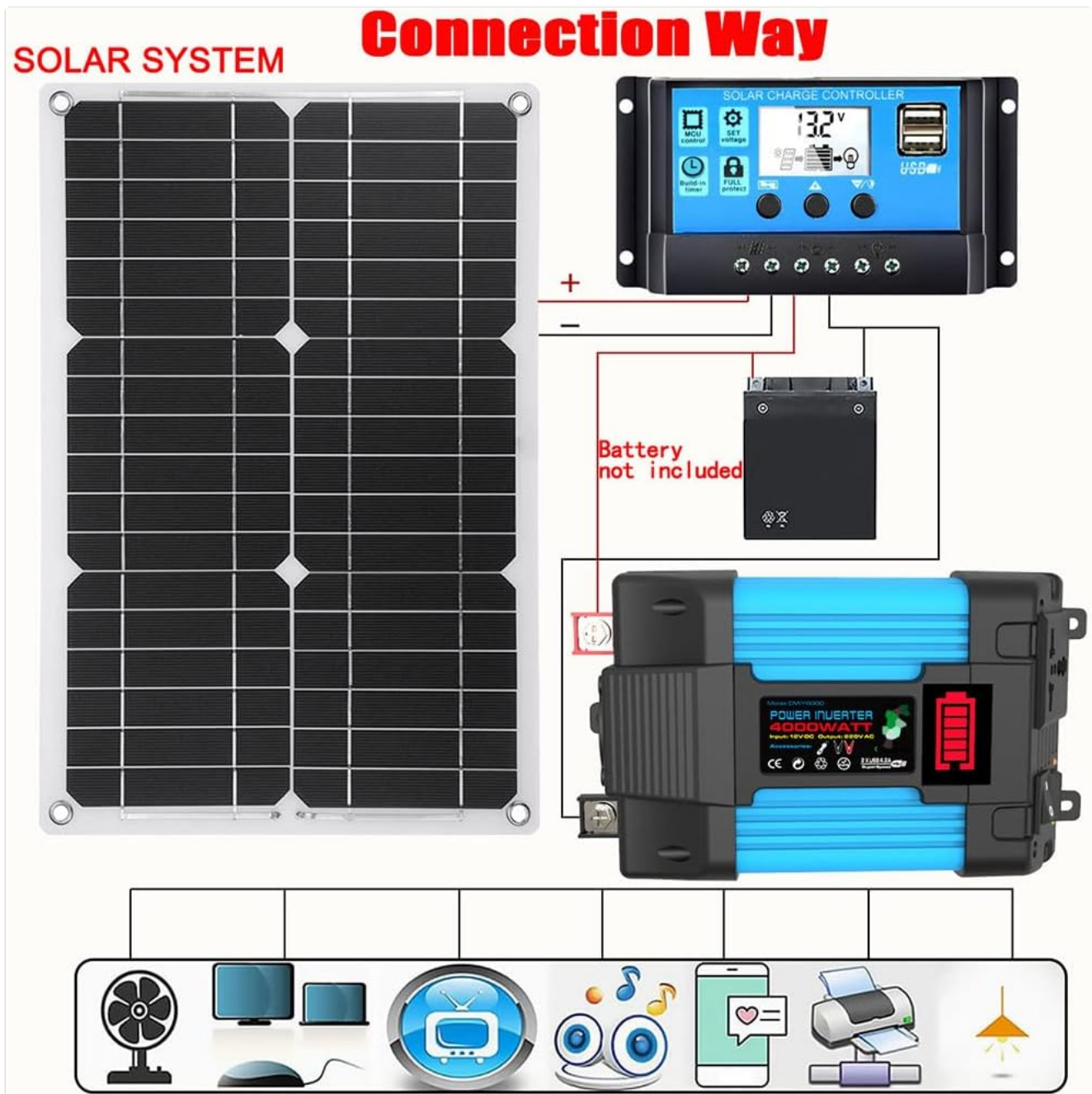


Figure 3.2: Example of a solar system connection using the FONOBO Power Inverter.

4. OPERATING INSTRUCTIONS

Follow these steps to operate your FONOBO Power Inverter safely and effectively.

1. **Connect the Inverter:** Ensure the inverter is properly connected to a 12V DC power source as described in Section 3.
2. **Turn On the Inverter:** Flip the On/Off switch on the inverter to the 'ON' position. The green 'Work Light' should illuminate, indicating normal operation. The LED Battery Display will show the current battery capacity.
3. **Connect AC Devices:** Plug your 220V AC devices into the universal AC socket on the inverter. Ensure the total power consumption of all connected devices does not exceed the inverter's rated continuous power.
4. **Connect USB Devices:** Plug your USB-powered devices into the dual USB ports for charging.
5. **Monitor Battery Level:** The LED Battery Display has five levels (lattices), each representing 20% of the battery power. When the battery is low, the display will flash to remind you to charge your battery.
6. **Turn Off the Inverter:** When you are finished using the inverter, first disconnect all AC and USB devices, then flip the On/Off switch to the 'OFF' position. Finally, disconnect the inverter from the 12V DC power source.

Typical Usage Scenarios:



Figure 4.1: The FONOBO Power Inverter can be used in various settings such as for medical devices (CPAP), marine applications (yacht), recreational activities (camping), and vehicle power (truck).



Figure 4.2: The inverter provides power for both indoor and outdoor applications, such as powering laptops or lights during camping.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your FONOB Power Inverter.

- **Cleaning:** Periodically clean the exterior of the inverter with a dry, soft cloth. Do not use liquid cleaners or solvents.
- **Ventilation:** Ensure the cooling fan and ventilation openings are free from dust and debris. Blocked vents can lead to overheating.
- **Connections:** Regularly check all electrical connections (battery clips, cables) to ensure they are secure and free from corrosion.
- **Storage:** When not in use for extended periods, store the inverter in a cool, dry place, away from direct sunlight and moisture.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your power inverter.

Problem	Possible Cause	Solution
No output power / Inverter not turning on	Inverter switch is OFF Loose battery connection Low input voltage (battery discharged) High input voltage Reverse polarity	Turn switch ON Check and secure connections Recharge or replace battery Verify 12V DC input Correct battery polarity
Red Fault Light is ON	Overload protection Over-temperature protection Short circuit protection Low/High input voltage	Reduce connected load Allow inverter to cool, ensure ventilation Check for short circuits in connected devices/cables Check battery voltage
Inverter shuts down unexpectedly	Overload Overheating Low battery voltage Short circuit	Reduce load Ensure proper ventilation Recharge battery Inspect connections and devices
LED Battery Display flashing	Battery is low	Recharge the 12V battery

If the problem persists after attempting these solutions, please contact FONOBO customer support.

7. SPECIFICATIONS

Detailed technical specifications for the FONOBO 4000W Power Inverter.



Figure 7.1: Physical dimensions of the FONOBO Power Inverter and its cables.

Feature	Specification
Model	Inverter
Input Voltage	DC 10.5V - 15V
Output Voltage	AC 220V
Output Frequency	50Hz
Peaks Power	4000W
Rated Power	300W
Output Waveform	Modified Sine Wave
Unit Count	1.0 Count

Feature	Specification
Dimensions (Inverter)	Approx. 20.5cm (8.1in) L x 11.7cm (4.6in) W x 5.8cm (2.3in) H
Cigarette Lighter Plug Cable Length	Approx. 42.5cm (16.7in)
Battery Clip Cable Length	Approx. 46.8cm (18.4in)

8. WARRANTY AND SUPPORT

FONOBO is committed to customer satisfaction. If you encounter any issues or have questions regarding your power inverter, please do not hesitate to contact our support team.

- **Customer Service:** For assistance, please contact us via Amazon email or through our official website. Our support team is available 24/7 to assist you.
- **Warranty:** Specific warranty details may vary. Please refer to your purchase documentation or contact customer support for warranty information.

© 2026 FONOBO. All rights reserved.

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.

Name

Anonymous

Email

you@example.com

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.

Submit question

