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› [CAPTOK 2000W Pure Sine Wave Inverter User Manual](#)

CAPTOK CAPTOK 2000W

The logo for CAPTOK, featuring the brand name in a bold, sans-serif font with a registered trademark symbol. A stylized lightning bolt is integrated into the letter 'A'.

User Manual

CAPTOK 2000W PURE SINE WAVE INVERTER

Model: CAPTOK 2000W

1. Product Overview

The CAPTOK 2000W Pure Sine Wave Inverter converts 12V DC battery power into 120V AC household power, suitable for powering various electronic devices and appliances. It features a pure sine wave output, ensuring clean and stable power, ideal for sensitive electronics. Equipped with multiple AC outlets, USB ports, and a remote control, this inverter is designed for convenience and versatility in RVs, homes, and solar systems.



Figure 1.1: CAPTOK 2000W Pure Sine Wave Inverter with included accessories.

Your browser does not support the video tag.

Video 1.1: Official product overview of the CAPTOK 2000W Pure Sine Wave Power Inverter, demonstrating its features and operation.

2. Safety Precautions

- **Ventilation:** Ensure adequate ventilation around the inverter. Do not block cooling vents.
- **Environment:** Install the inverter in a dry, cool, and well-ventilated area, away from direct sunlight, heat sources, and flammable materials.
- **Connection:** Always connect the inverter to a 12V DC battery. Ensure correct polarity (+ to + and - to -) to prevent damage. Use the provided battery connection cables.
- **Grounding:** Properly ground the inverter to prevent electrical shock.
- **Load Capacity:** Do not exceed the inverter's rated power output (2000W continuous, 4000W peak). Overloading can cause damage and fire hazards.
- **Maintenance:** Do not attempt to open or service the inverter yourself. Refer all servicing to qualified personnel.
- **Battery Capacity:** A minimum battery capacity of 12V 240AH is recommended for optimal performance. Insufficient battery capacity may lead to insufficient output voltage.

3. Package Contents

Verify that all items are present in the package:

- CAPTOK 2000W Pure Sine Wave Inverter
- LCD Display and Remote Control
- Battery Connection Cables (Red and Black)
- User Manual (this document)

4. Product Features and Components



Figure 4.1: Advanced LCD Display. This display provides real-time monitoring of input voltage, output voltage, load power, and temperature.



Figure 4.2: 16.4 Feet Remote Control. The remote control allows for convenient monitoring and operation from a distance, with its display synchronized with the main unit.



Figure 4.3: Output Ports. The inverter is equipped with 4 AC outlets, 1 USB 5V 2.4A port, and 1 Type-C 30W port for versatile power supply.



Figure 4.4: Silent Fans. Built-in powerful cooling fans activate when the temperature reaches 45°C (113°F) to ensure stable operation and heat dissipation.

The inverter features an isolated input/output design and provides multiple safety protections including under-voltage, over-voltage, overload, over-heat, and short-circuit protection.

5. Setup Instructions

1. **Choose a Location:** Select a dry, cool, and well-ventilated area for the inverter. Ensure it is securely mounted using the integrated stand-off brackets.
2. **Connect to Battery:**
 - Ensure the inverter is turned off.
 - Connect the red (positive) battery cable to the positive (+) terminal of the inverter and then to the positive (+) terminal of your 12V battery.
 - Connect the black (negative) battery cable to the negative (-) terminal of the inverter and then to the negative (-) terminal of your 12V battery.
 - Tighten all connections securely.



Figure 5.1: Direct Battery Connection. Ensure proper polarity when connecting the inverter to the battery.

3. **Grounding:** Connect a grounding wire from the inverter's grounding terminal to a proper earth ground.



Figure 5.2: Grounding Terminal. Always ensure the inverter is properly grounded for safety.

4. **Connect Remote Control (Optional):** If using the remote control, plug its cable into the designated port on the inverter.
5. **Initial Power On:** Once all connections are secure, turn on the inverter using the power switch. The LCD display should illuminate.

6. Operating Instructions

The CAPTOK 2000W inverter is designed for straightforward operation. Follow these steps to power your devices:

1. **Power On:** Ensure the inverter is connected to a 12V battery. Press the ON/OFF switch on the inverter or the remote control to turn it on. The LCD display will show operational data.
2. **Monitor Display:** The LCD screen on both the inverter and the remote control provides critical information:
 - **DC IN:** Input voltage from the battery.
 - **AC OUT:** Output AC voltage.
 - **TEMPERATURE:** Internal temperature of the inverter.
 - **LOAD:** Current power consumption in Watts.
 - **BAT:** Battery level indicator.
 - **SERVICE HOURS:** Total operating time.

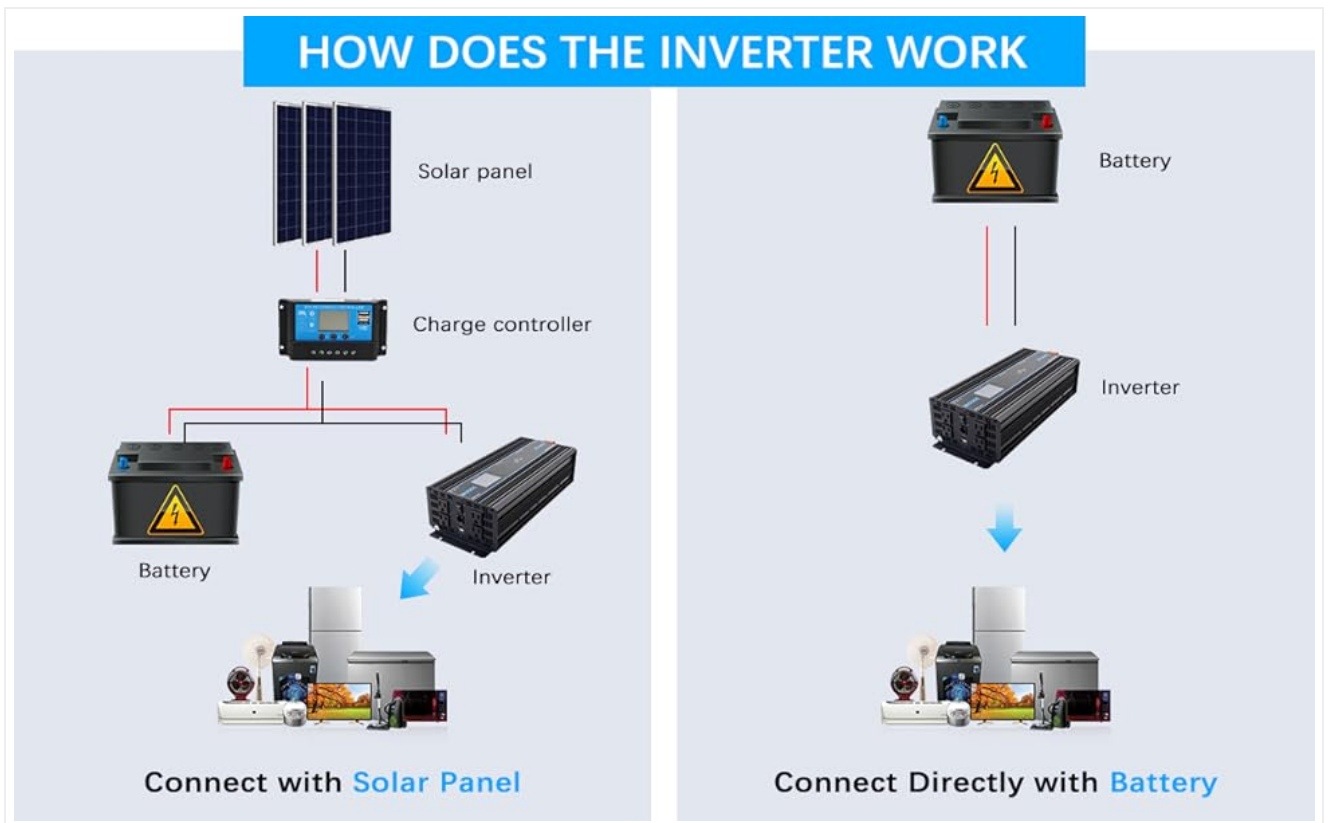


Figure 6.1: Digital LCD Display. This image illustrates the various parameters displayed on the inverter's screen and the remote control.

- 3. Connect Devices:** Plug your AC appliances into the 120V AC outlets. For USB-powered devices, use the 5V 2.4A USB port or the 30W Type-C port.

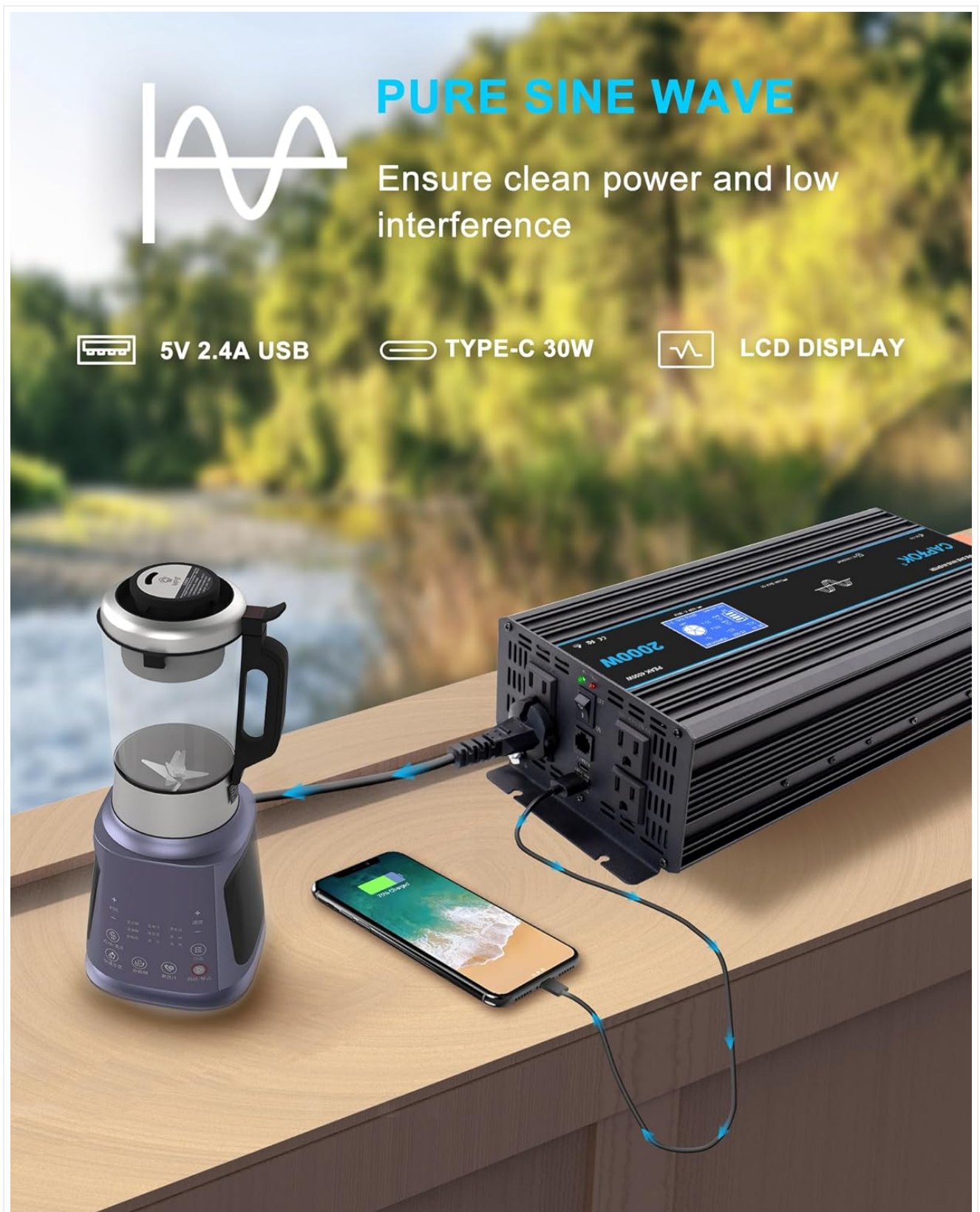


Figure 6.2: Powering Devices. The pure sine wave output ensures clean power for sensitive electronics like blenders and mobile phones.

4. **Power Off:** When finished, turn off the inverter using the ON/OFF switch. Disconnect appliances before disconnecting the inverter from the battery.

7. Maintenance

- **Cleaning:** Keep the inverter clean and free from dust and debris. Use a dry cloth to wipe the exterior. Do not use liquid cleaners.

- **Ventilation:** Regularly check that the cooling vents are not obstructed to ensure proper airflow and prevent overheating.
- **Connections:** Periodically inspect battery cable connections for tightness and corrosion. Clean terminals if necessary.
- **Storage:** If storing the inverter for an extended period, disconnect it from the battery and store it in a cool, dry place.

8. Troubleshooting

Problem	Possible Cause	Solution
No output voltage / Inverter not turning on	Loose battery connections, low battery voltage, overloaded, internal fuse blown.	Check and tighten battery connections. Charge battery. Reduce load. Contact customer support if fuse is suspected.
Overload alarm / Inverter shuts down	Connected appliance exceeds inverter's rated power.	Disconnect overloaded appliance. Reduce total load. Restart inverter.
Over-temperature alarm / Inverter shuts down	Poor ventilation, high ambient temperature, excessive load.	Ensure clear airflow around inverter. Move to cooler location. Reduce load. Allow unit to cool.
Low battery alarm	Battery voltage is too low.	Charge the battery immediately. Disconnect load to prevent deep discharge.
Remote control display not working	Loose cable connection, faulty remote/cable.	Check and secure the remote control cable connection. If issue persists, contact customer support.

9. Specifications

Model Name: CAPTOK 2000W

Wattage: 2 KW (2000W Continuous, 4000W Peak)

Input Voltage: DC 12V

Output Voltage: AC 120V

Output Waveform: Pure Sine Wave

AC Outlets: 4

USB Ports: 1 x USB 5V 2.4A, 1 x Type-C 30W

Item Weight: 9.9 pounds

Package Dimensions: 19.37 x 9.53 x 6.54 inches

Recommended Minimum Battery Capacity: 12V 240AH

Manufacturer: CAPTOK

Country of Origin: China

10. Warranty and Support

CAPTOK stands behind the quality of its products. Your CAPTOK 2000W inverter purchase is backed by a comprehensive warranty and dedicated customer support.

- **Warranty:** This product comes with a 24-month worry-free warranty from the date of purchase.
- **Return Policy:** Enjoy a 30-day unconditional return guarantee.

- **Customer Support:** CAPTOK provides 7x24 customer support and lifetime technical support.



Figure 10.1: CAPTOK Warranty and Support Details.

For any inquiries, technical assistance, or warranty claims, please refer to the contact information provided on the product packaging or the official CAPTOK website.

