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> CAPTOK 1500W Pure Sine Wave Inverter Instruction Manual

## CAPTOK CAPTOK 1500W

# CAPTOK 1500W Pure Sine Wave Inverter Instruction Manual

Model: CAPTOK 1500W | Brand: CAPTOK

## 1. INTRODUCTION

The CAPTOK 1500W Pure Sine Wave Inverter converts 12V DC battery power to 120V AC household power, providing a clean and stable energy source for various applications. This manual provides essential information for safe and efficient operation, setup, and maintenance of your inverter.



Image: The CAPTOK 1500W Pure Sine Wave Inverter, a compact black unit with orange accents, featuring an integrated LCD display and multiple output ports.

## 2. PRODUCT FEATURES

- **Advanced LCD Monitor:** A large built-in LCD display allows for clear viewing and monitoring of the inverter's operating information, including input voltage, output voltage, and load power. The remote control display is synchronized in real-time for convenient monitoring.

**CAPTOK<sup>®</sup>**

## **1500W PURE SINE WAVE INVERTER**

Provides Strong Electrical Supports



Image: Close-up of the CAPTOK inverter's advanced LCD display, showing real-time data such as DC input voltage, AC output voltage, temperature, power, frequency, and load.

- **Multiple Output Ports:** Equipped with 4 AC outlets, 1 USB 5V 2.4A port, and 1 Type-C 30W port, ensuring fast power supply for multiple devices simultaneously.

# PURE SINE WAVE

DC 12V AC 120V



Image: The CAPTOK inverter connected to a power strip, illustrating its multiple AC outlets, USB, and Type-C ports for various devices.

- **Comprehensive Safety Protections:** Features isolated input/output design and provides under-voltage protection, over-voltage protection, overload protection, over-heat protection, and short-circuit protection to ensure safe operation.

# FULLY PROTECTED



Low/over voltage protection	Over heating protection	Over load protection	Short Circuit Protection	Reverse Connection Protection	Isolated input and output design	Real-time monitoring screen

Image: Diagram highlighting the CAPTOK inverter's safety protections, including low/over voltage, overheating, overload, short circuit, reverse connection, isolated input/output, and real-time monitoring.

- **Temperature Controlled Silent Fan:** The built-in powerful cooling fan activates when the temperature reaches 45°C (113°F), ensuring stable and quiet operation.

# SILENT FANS

Fast heat dissipation  
easy to handle high loads



Image: The CAPTOK inverter with an illustration of its silent, temperature-controlled cooling fan, designed for fast heat dissipation under high loads.

- **Pure Sine Wave Output:** Ensures clean power and low interference, suitable for sensitive electronics.

# PURE SINE WAVE

DC 12V AC 120V



Image: The CAPTOK inverter connected to a kettle and a coffee maker, demonstrating its pure sine wave output for household appliances.

### 3. PACKAGE CONTENTS

- CAPTOK 1500W Pure Sine Wave Inverter
- LCD Display (integrated)
- Remote Control
- Battery Connection Cables (red and black)
- User Manual

## 4. SAFETY INFORMATION

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### IMPORTANT SAFETY WARNINGS:

- Always use the battery connection cables provided in the package to ensure proper and safe operation.
- A minimum battery capacity of **12V 200AH** is recommended. Using a battery with insufficient capacity may result in inadequate output voltage or damage to the inverter/battery.
- Ensure proper ventilation around the inverter to prevent overheating.
- Do not expose the inverter to water, rain, or excessive moisture.
- Avoid operating the inverter in direct sunlight or near heat sources.
- Always connect the inverter to a battery before connecting any AC loads.
- Disconnect the inverter from the battery when not in use or before performing any maintenance.
- Ensure the inverter is properly grounded. A grounding screw is provided for this purpose.



Image: Close-up of the grounding screw on the side of the CAPTOK inverter, indicating the connection point for a ground wire.

## 5. SETUP & INSTALLATION

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1. **Prepare the Battery:** Ensure your 12V battery (minimum 200AH recommended) is fully charged and in good condition.
2. **Connect Battery Cables:**
  - Connect the red (positive) battery cable to the positive (+) terminal of the inverter.
  - Connect the black (negative) battery cable to the negative (-) terminal of the inverter.
  - Connect the other end of the red cable to the positive (+) terminal of your battery.
  - Connect the other end of the black cable to the negative (-) terminal of your battery.
  - Ensure all connections are tight and secure to prevent arcing or overheating.
3. **Grounding:** Connect a ground wire (not included, but recommended for safety) from the grounding screw on the inverter to a proper earth ground.
4. **Remote Control Connection:** If using the remote control, plug its cable into the designated "REMOTE" port on the inverter.

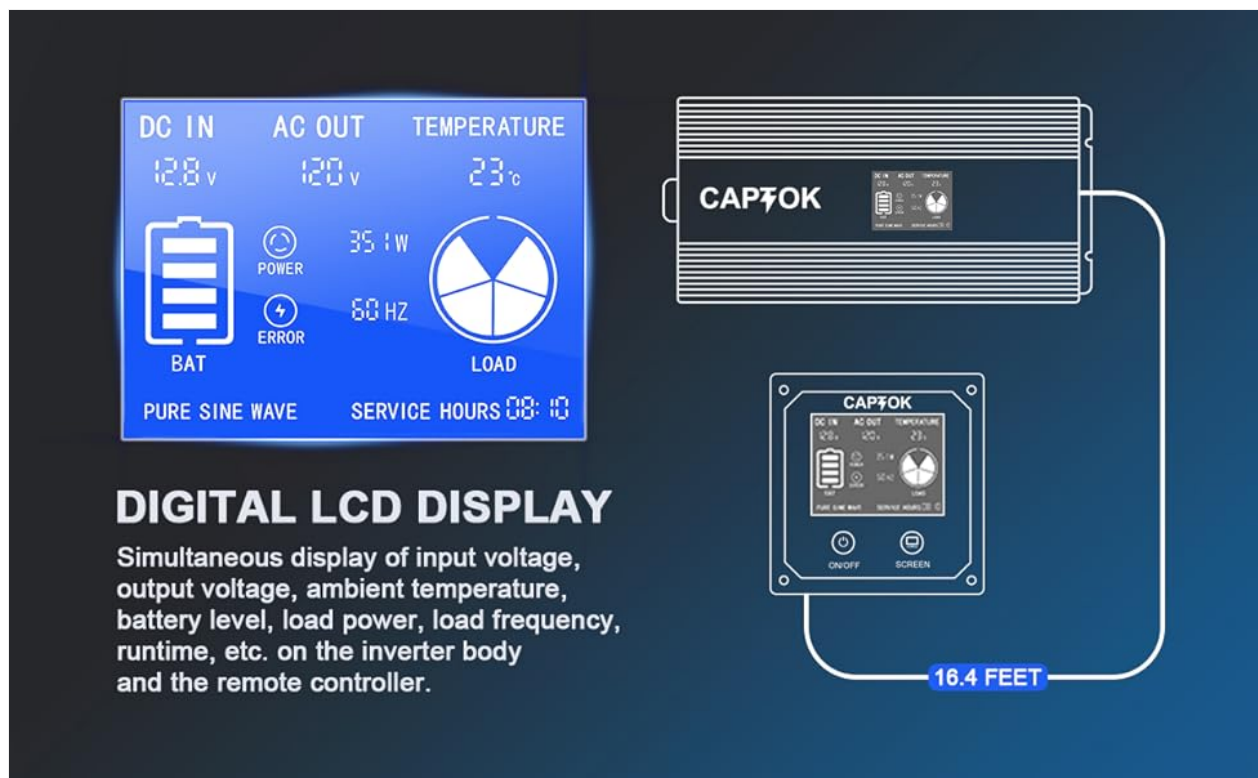


Image: The CAPTOK inverter connected to a battery, with its remote control mounted on a wall, showing the cable connection between them.

5. **Placement:** Place the inverter in a dry, well-ventilated area, away from flammable materials and direct sunlight.

For a visual guide on how the inverter works with a solar system or directly with a battery, refer to the diagram below:



Image: A diagram illustrating two connection methods for the CAPTOK inverter: one with solar panels, a charge controller, and a battery, and another directly with a battery.

## 6. OPERATING INSTRUCTIONS

1. **Power On:** Flip the ON/OFF switch on the inverter to the "ON" position, or use the ON button on the remote control. The LCD display will illuminate, showing current operating parameters.
2. **Connect Devices:** Plug your AC devices into the 120V AC outlets, or your USB/Type-C devices into the respective ports. Ensure the total wattage of your devices does not exceed the inverter's continuous power rating (1500W).
3. **Monitor Performance:** Regularly check the LCD display for input voltage, output voltage, and load power to ensure optimal operation and prevent overloading.
4. **Power Off:** When finished, disconnect all devices, then flip the ON/OFF switch on the inverter to the "OFF" position, or use the OFF button on the remote control.

## Understanding the LCD Display

The integrated LCD display provides real-time feedback on the inverter's status:

- **DC IN:** Displays the input voltage from your 12V battery.
- **AC OUT:** Shows the output AC voltage (120V).
- **TEMPERATURE:** Indicates the internal temperature of the inverter.
- **POWER:** Displays the current power draw in watts.
- **BAT:** Shows the battery charge level.
- **ERROR:** Illuminates if an error condition is detected.
- **LOAD:** Visual representation of the current load on the inverter.

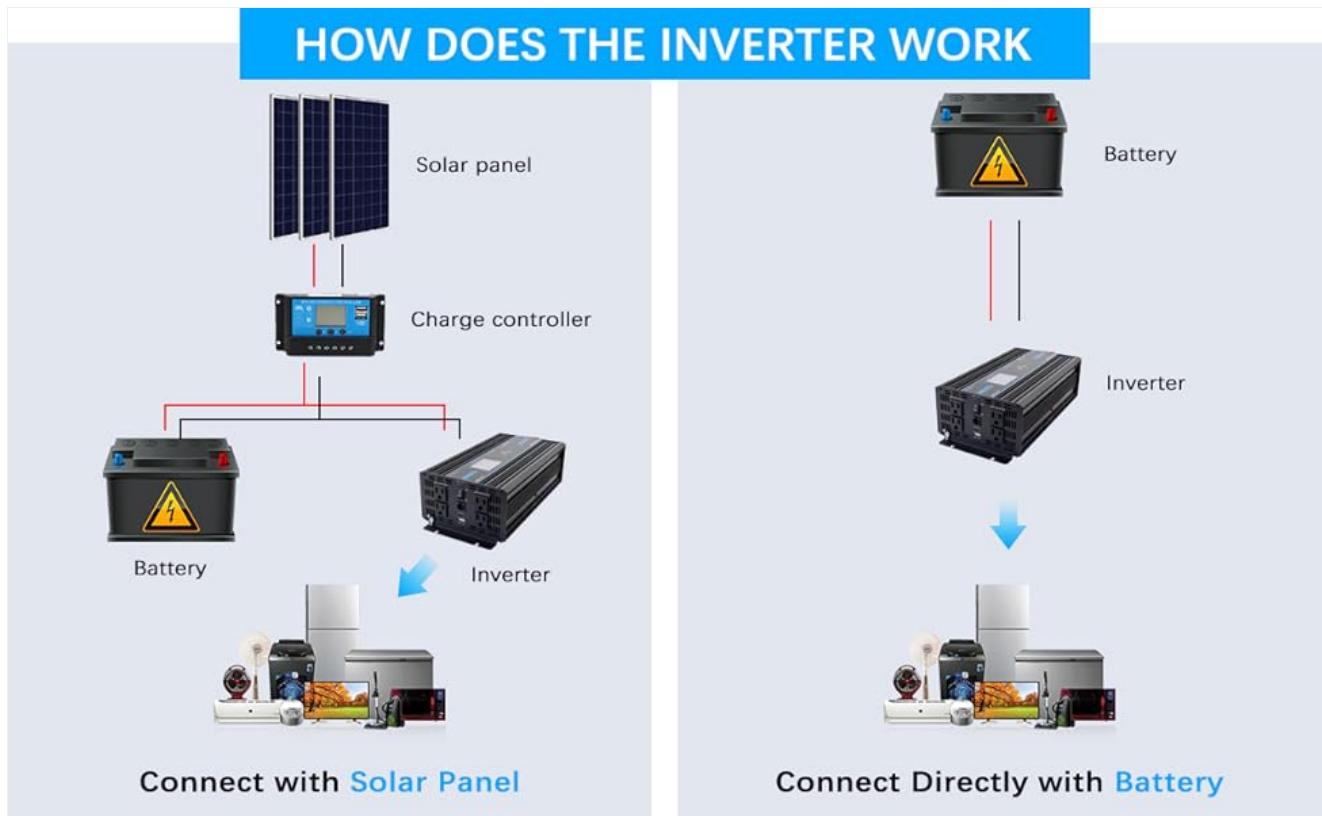


Image: A detailed graphic of the CAPTOK inverter's digital LCD display, showing various parameters like input voltage, output voltage, temperature, battery level, load power, and error indicators.

## 7. MAINTENANCE

- Keep the inverter clean and free from dust and debris.
- Ensure the cooling fan vents are unobstructed for proper airflow.
- Periodically check battery connections for tightness and corrosion.
- Store the inverter in a cool, dry place when not in use.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Inverter does not turn on.	Loose battery connections, low battery voltage, faulty switch.	Check battery cable connections. Recharge or replace battery. Ensure switch is fully "ON".

Problem	Possible Cause	Solution
No AC output.	Overload, low battery, inverter fault.	Reduce connected load. Check battery voltage. Power cycle the inverter.
Inverter beeps or shows error.	Overload, over-temperature, low/over voltage, short circuit.	Refer to LCD display for specific error code. Address the cause (e.g., reduce load, allow cooling, check battery).
Fan runs constantly or loudly.	High internal temperature, obstructed vents.	Ensure proper ventilation. Reduce load if operating in high temperatures.

## 9. SPECIFICATIONS

Feature	Detail
Model Number	CAPTOK 1500W
Wattage (Continuous)	1500W
Input DC Voltage	12V
Output AC Voltage	120V
Output Waveform	Pure Sine Wave
AC Outlets	4
USB Port	1 (5V 2.4A)
Type-C Port	1 (30W)
Recommended Min. Battery Capacity	12V 200AH
Product Dimensions	5.28 x 2.56 x 1.54 inches
Item Weight	8.14 pounds

## 10. WARRANTY & SUPPORT

The CAPTOK 1500W Pure Sine Wave Inverter comes with a **24-month worry-free warranty**. For technical support, troubleshooting assistance, or warranty claims, please contact CAPTOK customer service through your retailer or the official CAPTOK website.

We are committed to providing high-quality, user-friendly products and continuously improving the user experience.



Image: A customer service representative wearing a headset, symbolizing support for CAPTOK products.

## 11. OFFICIAL PRODUCT VIDEO

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Watch this official product video for a quick overview of the CAPTOK 1500W Pure Sine Wave Inverter:

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Video Description: A short video showcasing the CAPTOK 1500W Pure Sine Wave Power Inverter, highlighting its features and applications.