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› Cantonape Pure Sine Wave Power Inverter 2000W User Manual

## Cantonape DX-GAC2000W

# Cantonape Pure Sine Wave Power Inverter 2000W User Manual

Model: DX-GAC2000W

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Cantonape Pure Sine Wave Power Inverter 2000W. Please read it thoroughly before installation and use. This inverter converts 12V DC battery power into 220V/230V AC household power, suitable for various electronic devices.

## 2. SAFETY INFORMATION

- **Ventilation:** Ensure adequate ventilation around the inverter. Do not block cooling vents.
- **Environment:** Avoid exposing the inverter to water, moisture, direct sunlight, heat sources, or flammable materials.
- **Connection:** Connect the inverter directly to a 12V DC battery. Ensure correct polarity (red to positive, black to negative). Incorrect connection can damage the inverter and battery.
- **Load Capacity:** Do not exceed the inverter's continuous power rating of 2000W. The peak power is 4000W for short durations. Overloading can cause damage or trigger protection features.
- **Remote Control Battery:** The wireless remote control requires a 23A 12V battery (not included). Install it correctly according to polarity markings.
- **Maintenance:** Do not attempt to open or modify the inverter. Refer all servicing to qualified personnel.
- **Children:** Keep the inverter and its accessories out of reach of children.

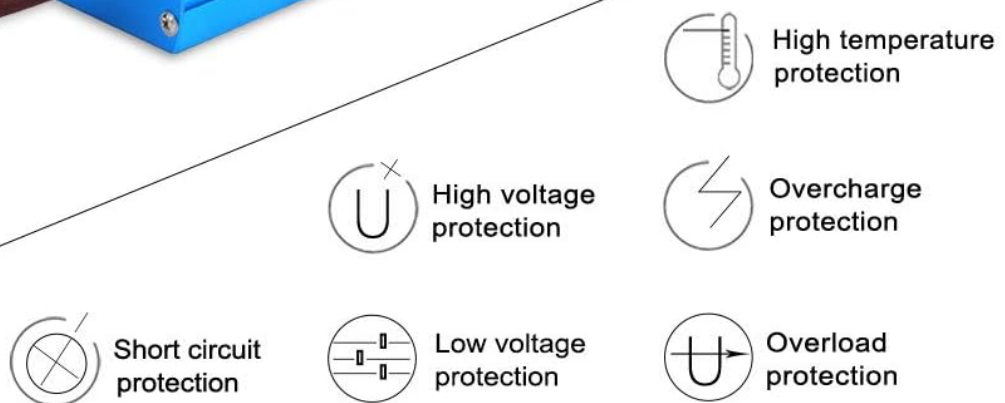


Image: The inverter is equipped with multiple protection features including high temperature, high voltage, overcharge, short circuit, low voltage, and overload protection.

### 3. PRODUCT OVERVIEW

The Cantonape Pure Sine Wave Power Inverter is designed for reliable power conversion. It features a robust aluminum casing for durability and heat dissipation.

#### 3.1 Key Features

- **Pure Sine Wave Output:** Provides clean power suitable for sensitive electronics.
- **High Power Output:** 2000W continuous power, 4000W peak power.
- **Input/Output:** 12V DC input, 220V/230V AC output.
- **Multiple AC Outlets:** Equipped with two standard AC outlets.
- **Wireless Remote Control:** For convenient operation from a distance.
- **LED Display:** Shows battery voltage and AC output voltage.
- **Intelligent Cooling Fan:** Operates only when the internal temperature exceeds 45°C, ensuring quiet operation and efficient cooling.
- **Comprehensive Protections:** Includes safeguards against overvoltage, undervoltage, overload, short circuit, overheating, and reverse polarity.

#### 3.2 Components

- Cantonape Pure Sine Wave Power Inverter (DX-GAC2000W)
- Battery Connection Cables (1 Red, 1 Black)
- Wireless Remote Control
- User Manual



Image: The Cantonape Pure Sine Wave Power Inverter, showing the main unit, red and black battery cables, and the wireless remote control.

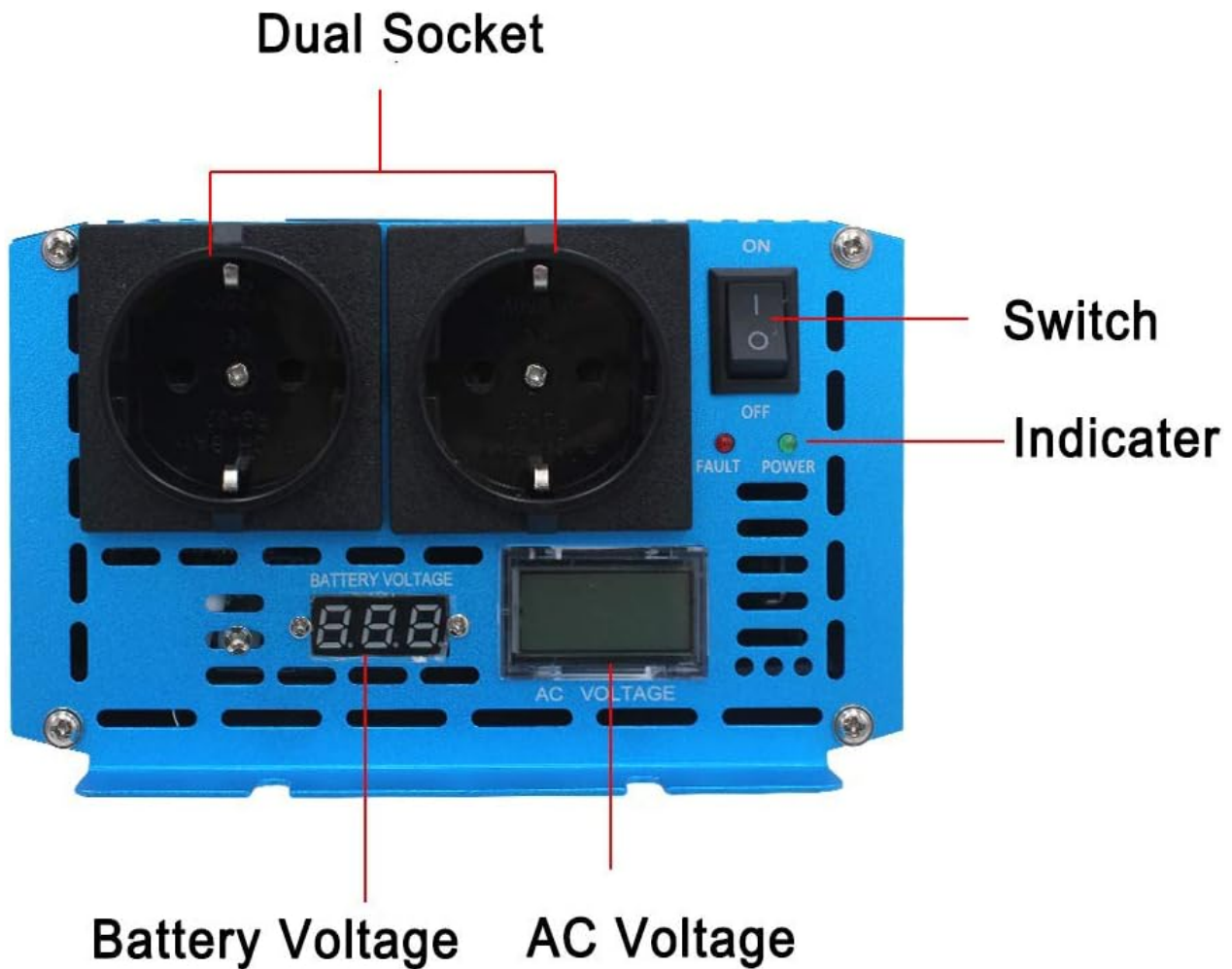


Image: Front panel of the inverter, highlighting the dual AC sockets, ON/OFF switch, power and fault indicators, and the digital displays for battery voltage and AC output voltage.

## 4. SETUP

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### 4.1 Connecting the Inverter to a Battery

1. Ensure the inverter's power switch is in the OFF position.
2. Connect the red battery cable to the positive (+) terminal of the 12V DC battery and the positive (+) terminal on the inverter.
3. Connect the black battery cable to the negative (-) terminal of the 12V DC battery and the negative (-) terminal on the inverter.
4. Ensure all connections are tight and secure to prevent arcing or overheating.

### 4.2 Installing Remote Control Battery

The wireless remote control requires one 23A 12V battery (not included). Open the battery compartment on the remote and insert the battery, observing correct polarity.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Powering On/Off

1. After connecting the inverter to the battery, switch the inverter's power button to the ON position. The

green 'POWER' indicator light should illuminate, and the LED display will show battery voltage and AC output voltage.

2. To power off, switch the inverter's power button to the OFF position.

## 5.2 Connecting Devices

Plug your AC-powered devices into the two AC outlets on the front of the inverter. Ensure the total power consumption of connected devices does not exceed 2000W.



## Heavy Duty 2000W Continuous Power

Image: Examples of devices compatible with the 2000W inverter, such as laptops, cameras, LED lights, car refrigerators, coffee makers, hair dryers, water pumps, and electric saws, with their typical power consumption limits.

## 5.3 Using the Wireless Remote Control

The remote control allows you to turn the inverter ON or OFF from a distance. Press button 'A' to turn ON and button 'B' to turn OFF. Ensure the remote has a working 23A 12V battery installed.

## 5.4 Intelligent Cooling Fan

The inverter features an intelligent cooling fan that activates automatically when the internal temperature reaches or exceeds 45°C. This ensures optimal operating temperature and extends the inverter's lifespan. The fan will turn off when the temperature drops below 45°C.



Image: A close-up view of the inverter's cooling fan, designed for silent operation when temperatures are below 45°C.

## 6. MAINTENANCE

- **Cleaning:** Keep the inverter clean and free from dust and debris. Use a dry cloth for cleaning. Do not use liquid cleaners.
- **Connections:** Periodically check battery cable connections to ensure they are tight and free from corrosion.
- **Storage:** When not in use for extended periods, store the inverter in a cool, dry place, disconnected from the battery.

## 7. TROUBLESHOOTING

The inverter is equipped with various protection mechanisms. If the inverter stops working or the 'FAULT' indicator light illuminates, refer to the following:

Problem/Indicator	Possible Cause	Solution
No power output, 'FAULT' light on	Overload, Short Circuit, Overheat	Reduce load, check for short circuits, allow inverter to cool down.
Low voltage alarm/shutdown	Battery voltage too low	Recharge or replace the 12V DC battery.
High voltage shutdown	Battery voltage too high	Check battery charging system; ensure battery voltage is within 12V DC range.
No power, no indicators	Loose battery connection, blown fuse	Check battery cable connections. Consult a technician for fuse replacement.
Remote control not working	No battery or dead battery in remote	Install or replace with a new 23A 12V battery.

## 8. SPECIFICATIONS

- **Model:** DX-GAC2000W
- **Continuous Power:** 2000 Watts

- **Peak Power:** 4000 Watts
- **Input Voltage:** 12 Volts DC
- **Output Voltage:** 220V / 230V AC
- **Output Waveform:** Pure Sine Wave
- **AC Outlets:** 2
- **Cooling:** Intelligent Fan (activates above 45°C)
- **Protections:** Overvoltage, Undervoltage, Overload, Short Circuit, Overheat, Reverse Polarity
- **Recommended Battery Capacity:** 200 Amp-hours (for optimal performance)

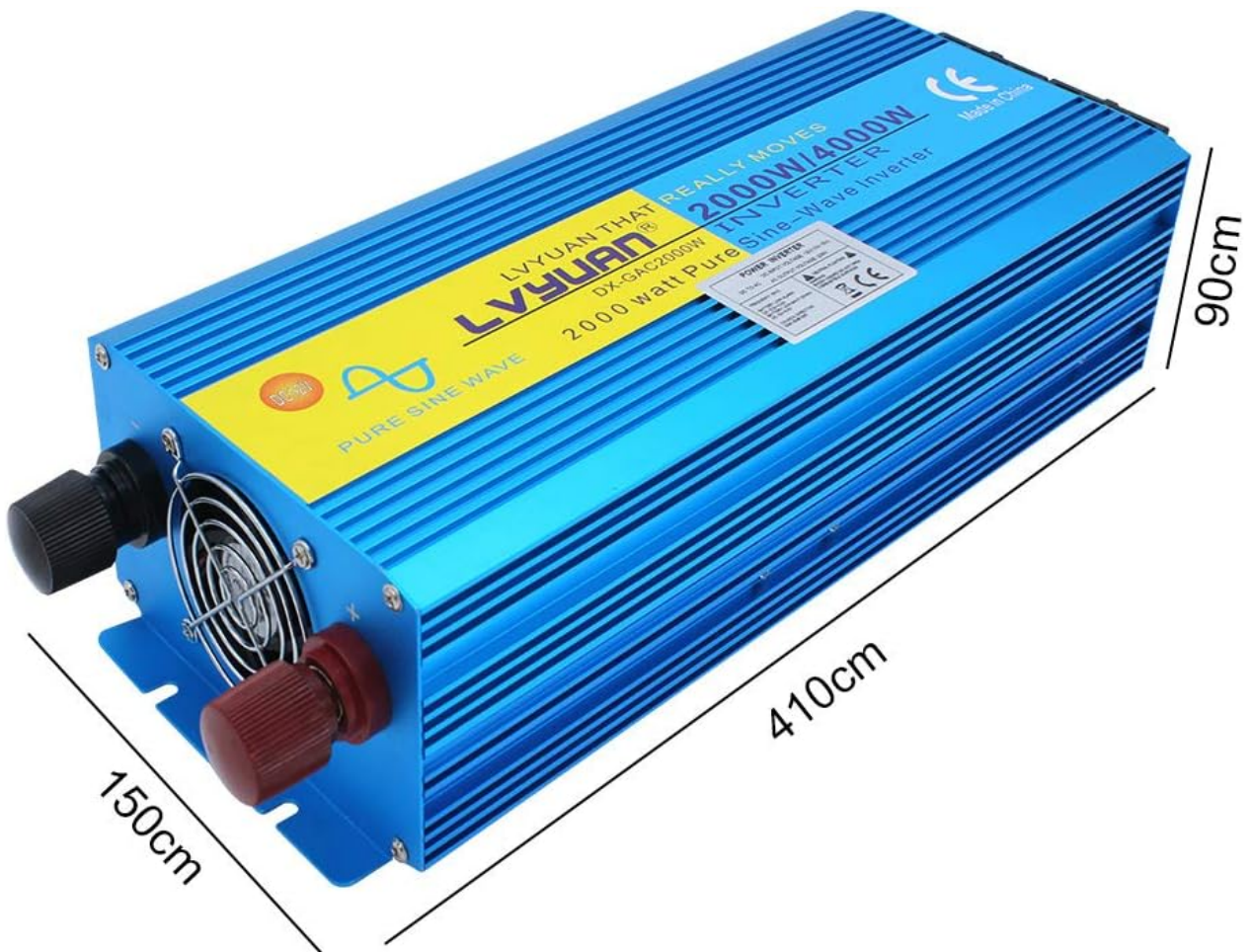


Image: Physical dimensions of the inverter, indicating a length of 410mm, width of 150mm, and height of 90mm.

## 9. WARRANTY AND SUPPORT

Cantonape offers a 30-day refund policy for this product. For any inquiries or assistance, friendly customer support is available 7 days a week, 24 hours a day.

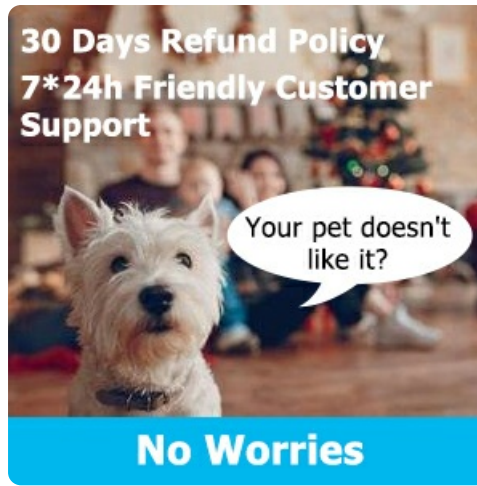


Image: Information regarding the 30-day refund policy and 24/7 customer support.