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› Cantonape 1200W/2400W (Peak) Power Inverter Instruction Manual

Cantonape 8f11a15b-a059-4440-871b-a5d79fc88156

Cantonape 1200W/2400W (Peak) Power Inverter Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your Cantonape 1200W/2400W (Peak) Power Inverter. This device converts 12V DC power from your vehicle's battery into 110V/120V AC household power, enabling you to operate various electronic devices on the go. Please read this manual thoroughly before use and retain it for future reference.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in injury, damage to the inverter, or damage to connected devices.

- **Ventilation:** Ensure the inverter is placed in a well-ventilated area. Do not block the cooling fan or vents.
- **Dry Environment:** Keep the inverter away from water, moisture, and rain. Do not operate with wet hands.
- **Proper Voltage:** Connect the inverter only to a 12V DC power source. Connecting to a 24V or higher DC source will damage the unit.
- **Load Capacity:** Do not exceed the inverter's continuous power rating of 1200W. The peak power is 2400W for short durations. Overloading can cause damage or fire.
- **Polarity:** Always connect the battery cables with correct polarity (red to positive, black to negative). Reverse polarity will cause immediate damage.
- **Grounding:** The inverter should be properly grounded.
- **No Disassembly:** Do not attempt to open or modify the inverter. There are no user-serviceable parts inside.
- **Children and Pets:** Keep the inverter out of reach of children and pets.
- **Flammable Materials:** Do not operate the inverter near flammable liquids, gases, or materials.

3. PRODUCT OVERVIEW

The Cantonape 1200W Power Inverter is designed for convenience and reliability, featuring multiple output ports and an intelligent LCD display.

Key Features:

- **Powerful Output:** Converts DC 12V to AC 110V/120V 60Hz. Provides 1200 Watts continuous modified sine wave power and 2400 Watts peak power.
- **Versatile Charging:** Features 2 AC outlets, 1 USB QC 3.0 port, and 1 Type-C PD 20W port for multi-purpose charging.
- **Intelligent LCD Display:** Shows input/output voltage, battery capacity, load capacity, and output frequency. Displays error codes for troubleshooting.
- **Multi-Protection:** Includes protection against overload, short circuit, over-temperature, reverse polarity, under-voltage, and over-voltage.
- **Efficient Cooling:** Built-in temperature-controlled cooling fan operates automatically to prevent overheating.
- **Durable Construction:** Robust aluminum body provides advanced protection and aids in heat dissipation.

Component Identification:



Figure 3.1: Front view of the Cantonape 1200W Power Inverter, showing the main unit and included battery cables.



Figure 3.2: Detailed view of the inverter's front panel (AC outlets, USB, Type-C, switch) and rear panel (DC input terminals, cooling fan).



Figure 3.3: Close-up of the intelligent LCD display, indicating battery capacity, battery voltage, output frequency, output voltage, and load capacity.

4. SETUP INSTRUCTIONS

Follow these steps to properly connect your power inverter to a 12V DC power source.

1. **Prepare the Inverter:** Place the inverter on a flat, stable surface in a well-ventilated area, away from direct sunlight, heat sources, and moisture.
2. **Prepare the Battery:** Ensure your 12V battery is fully charged and in good condition. Turn off the vehicle engine if connecting to a car battery.
3. **Connect Cables to Inverter:**
 - Loosen the red (positive) and black (negative) terminals on the inverter.
 - Insert the ring terminal of the red battery cable into the red inverter terminal and tighten securely.
 - Insert the ring terminal of the black battery cable into the black inverter terminal and tighten securely.
4. **Connect Cables to Battery:**
 - Connect the other end of the red battery cable to the positive (+) terminal of your 12V battery. Tighten securely.
 - Connect the other end of the black battery cable to the negative (-) terminal of your 12V battery. Tighten securely.

IMPORTANT: Always ensure correct polarity. Reverse polarity will cause severe damage to the inverter and void the warranty.

5. **Verify Connections:** Double-check all connections to ensure they are tight and secure. Loose connections can cause overheating and poor performance.



Figure 4.1: Example connection diagram for the power inverter with a 12V battery. Ensure proper polarity when connecting the cables.

5. OPERATING INSTRUCTIONS

Once the inverter is properly connected, you can begin using it to power your AC and USB devices.

1. **Power On:** Flip the ON/OFF switch on the inverter to the 'ON' position. The LCD display will illuminate, showing the current battery voltage and other parameters.
2. **Monitor LCD Display:** The LCD display provides real-time information:
 - **Battery Capacity:** Indicates the remaining charge in your 12V battery.
 - **Battery Voltage:** Shows the input DC voltage from the battery.
 - **Output Frequency:** Displays the AC output frequency (60Hz).
 - **Output Voltage:** Shows the AC output voltage (110V/120V).
 - **Load Capacity:** Indicates the percentage of the inverter's capacity currently being used by connected devices.
3. **Connect Devices:**
 - For AC devices, plug them into the 110V/120V AC outlets.
 - For USB devices, connect them to the QC 3.0 USB port or the PD 20W Type-C port.

NOTE: Ensure the total power consumption of all connected devices does not exceed 1200W continuously.

4. **Power Off:** When you are finished using the inverter, first disconnect all devices, then flip the ON/OFF switch to the 'OFF' position.



Figure 5.1: The inverter powering various electronic devices such as laptops, tablets, and smartphones via AC outlets and USB ports.

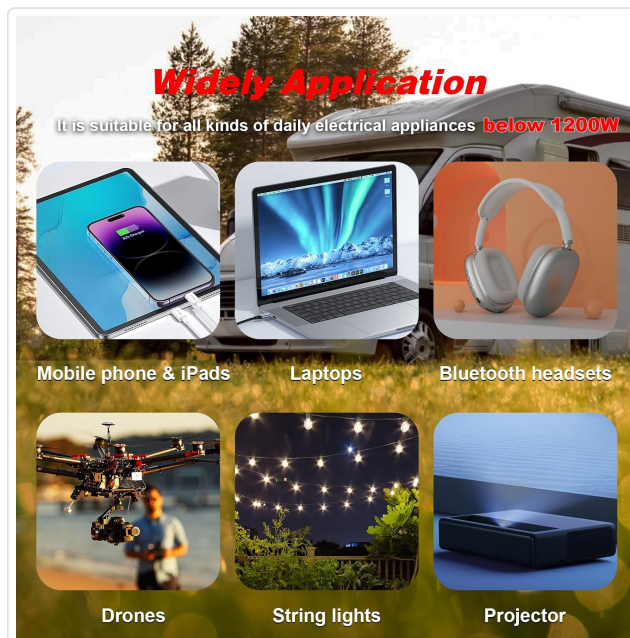


Figure 5.2: The inverter is suitable for powering a wide range of devices including mobile phones, laptops, Bluetooth headsets, drones, string lights, and projectors.



Figure 5.3: This image clarifies suitable applications for the inverter (e.g., laptops, TVs) and unsuitable high-power appliances (e.g., coffee machines, microwaves, hair dryers).

6. TROUBLESHOOTING

The intelligent LCD display will show error codes if an abnormal state occurs. Refer to the table below for common error codes and their solutions.

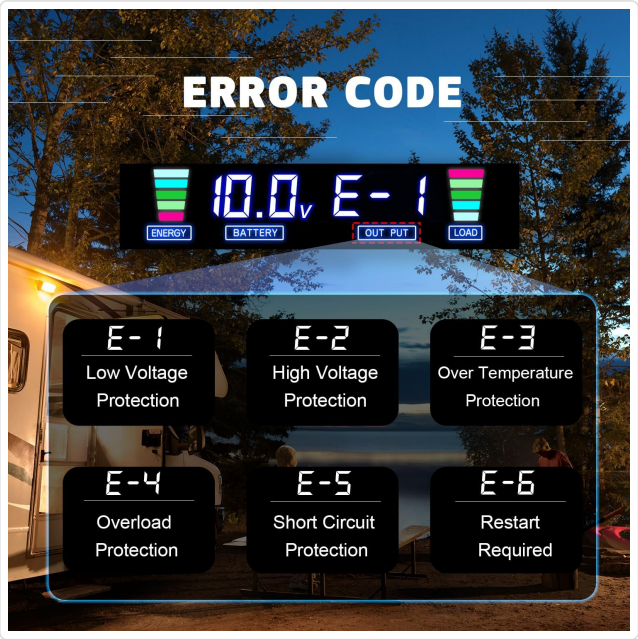


Figure 6.1: Example of an error code (E-1) displayed on the LCD, along with a guide to common error codes.

Error Code	Description	Possible Solution
E-1	Low Voltage Protection	The input DC voltage is too low. Recharge or replace the 12V battery. Ensure connections are secure.
E-2	High Voltage Protection	The input DC voltage is too high. Disconnect the inverter immediately. Verify the power source is 12V.
E-3	Overtemperature Protection	The inverter is overheating. Reduce the load, ensure proper ventilation, and allow the unit to cool down. Check if the cooling fan is obstructed.
E-4	Overload Protection	The total power consumption of connected devices exceeds 1200W. Disconnect some devices to reduce the load.
E-5	Short Circuit Protection	A short circuit has occurred in the output. Disconnect all devices and check for faulty wiring or damaged appliances.
E-6	Repeated Faults Shutdown, Restart Required	The inverter has experienced multiple faults. Turn off the inverter, disconnect from the battery, wait a few minutes, then reconnect and restart. If the issue persists, contact customer support.

7. SPECIFICATIONS

Feature	Specification
Model Name	1200W/2400W(Peak)
Continuous Power	1200 Watts

Feature	Specification
Peak Power	2400 Watts
Input Voltage	DC 12V
Output Voltage	AC 110V/120V
Output Frequency	60Hz
AC Outlets	2
USB Ports	1 x QC 3.0, 1 x Type-C PD 20W
Conversion Efficiency	> 90%
Dimensions (L x W x H)	12.28 x 6.02 x 2.72 inches (approx. 31.2 x 15.3 x 6.9 cm)
Item Weight	2.53 pounds (approx. 1.15 kg)
Manufacturer	Cantonape
Model Number	8f11a15b-a059-4440-871b-a5d79fc88156



Figure 7.1: Physical dimensions of the inverter, including length, width, and height, along with cable lengths.

8. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your power inverter.

- **Cleaning:** Regularly wipe the exterior of the inverter with a dry, soft cloth. Do not use liquid cleaners or solvents.
- **Ventilation:** Periodically check the cooling fan and vents for dust or obstructions. Use compressed air to clear any debris.
- **Connections:** Ensure battery cable connections remain tight and free of corrosion.
- **Storage:** When not in use for extended periods, store the inverter in a cool, dry place, away from direct sunlight and extreme temperatures. Disconnect it from the battery.

9. WARRANTY AND SUPPORT

The Cantonape 1200W/2400W (Peak) Power Inverter comes with a **12-month warranty** from the date of purchase, covering manufacturing defects.

If you encounter any issues or have questions regarding the operation, setup, or troubleshooting of your inverter, please contact Cantonape customer support. Provide your product model number (8f11a15b-a059-4440-871b-a5d79fc88156) and purchase details for efficient assistance.

For further information or support, please visit the official Cantonape store or contact their customer service channels.

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

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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

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