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› [VEVOR](#) /

› [VEVOR Pure Sine Wave Inverter User Manual](#)

VEVOR Inverseur Electrique 5000W

VEVOR Pure Sine Wave Inverter User Manual

Model: Inverseur Electrique 5000W

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your VEVOR Pure Sine Wave Inverter. Please read this manual thoroughly before installation and use, and keep it for future reference.

The VEVOR Pure Sine Wave Inverter is designed to convert DC power from a battery into stable AC power, suitable for a wide range of electronic devices and appliances. It features advanced protection mechanisms and a durable design for reliable performance.

SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent injury or damage to the inverter and connected devices:

- **DO NOT open the inverter casing. There are no user-serviceable parts inside.**
- Ensure proper ventilation around the inverter to prevent overheating.
- Keep the inverter away from water, moisture, and flammable materials.
- Connect the inverter only to a DC power source with the correct voltage (24V).
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Do not exceed the continuous or peak power ratings of the inverter.
- Disconnect the inverter from the power source before performing any maintenance or cleaning.
- This device is equipped with multiple safety protections including reverse polarity, short circuit, over temperature, overload, low voltage, and over voltage protection.



Image: The inverter highlighting its comprehensive safety features, including protection against reverse polarity, short circuits, over temperature, overload, low voltage, and over voltage.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x VEVOR Pure Sine Wave Inverter (5000W Continuous / 10000W Peak)
- 1 x Wired Remote Control
- 2 x Travel Adapters (Type not specified, assume general purpose)
- 1 x USB Cable
- 8 x Fuses
- Battery Connection Cables (Red and Black)



Image: The VEVOR Pure Sine Wave Inverter along with its complete set of accessories, including the wired remote control, battery cables, USB cable, and fuses.

PRODUCT OVERVIEW

The VEVOR Pure Sine Wave Inverter is built with a robust aluminum casing and features an LCD display for monitoring. Key components include:

- **Power Output:** 5000W continuous, 10000W peak.
- **Cooling System:** Integrated high-speed intelligent cooling fan for efficient heat dissipation and extended battery life.
- **Display:** LCD screen for real-time status monitoring.
- **Construction:** Durable aluminum alloy housing for longevity and protection.
- **Connectivity:** AC outlets, USB port, and terminals for DC input.



HIGH-SPEED COOLING FAN

Image: A detailed view of the high-speed cooling fan located on the inverter, designed to efficiently dissipate heat and ensure stable operation.



DURABLE ALUMINUM DESIGN

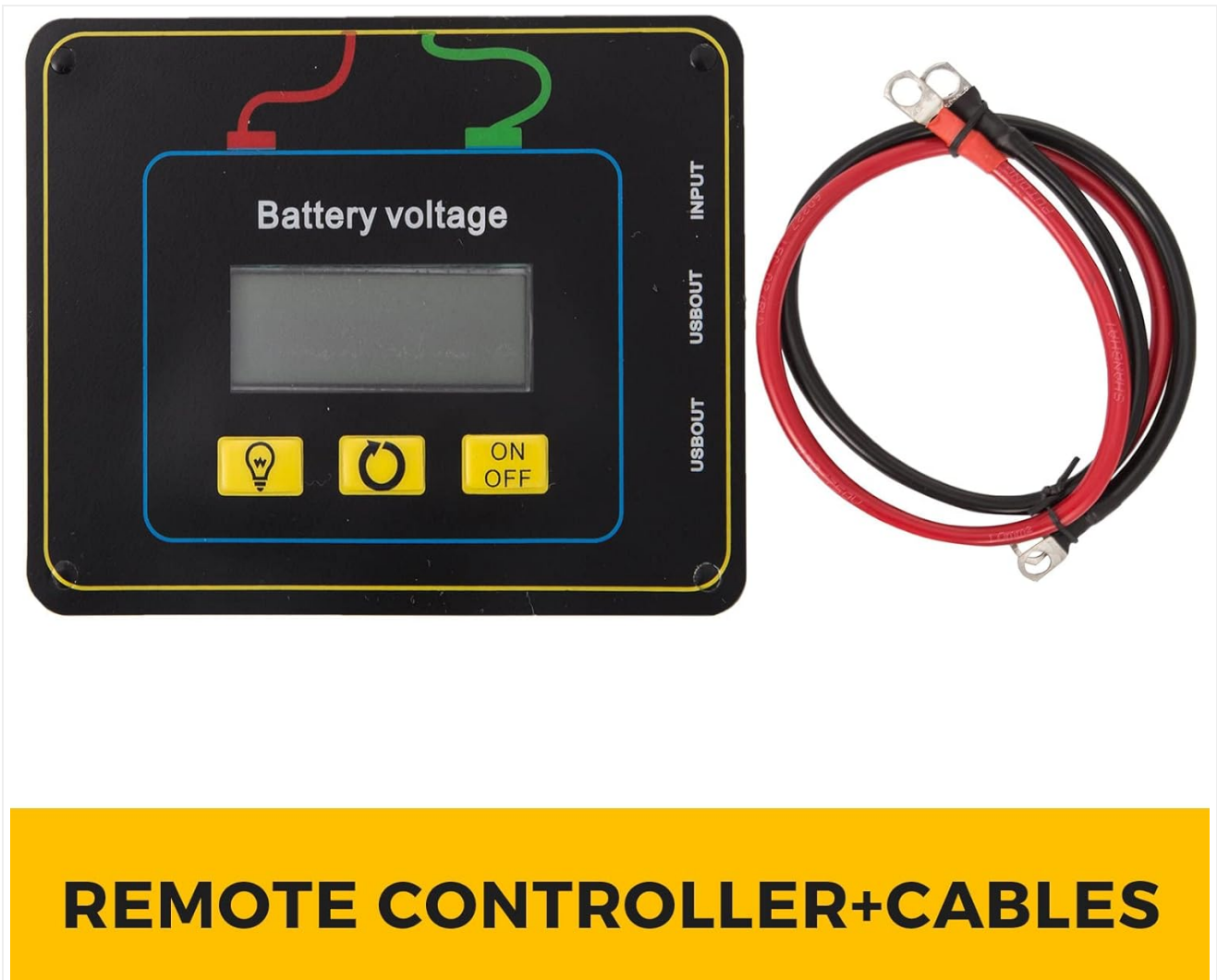
Image: The VEVOR inverter showcasing its robust and durable aluminum alloy construction, built for long-lasting performance in various environments.

SETUP

Follow these steps for initial setup:

- 1. Choose a Location:** Select a dry, well-ventilated area away from direct sunlight, heat sources, and flammable materials. Ensure sufficient space around the inverter for airflow.
- 2. Connect to Battery:**
 - Ensure the inverter's power switch is in the "OFF" position.
 - Connect the red positive (+) cable to the positive terminal of the 24V DC battery.
 - Connect the black negative (-) cable to the negative terminal of the 24V DC battery.
 - Connect the other end of the red cable to the positive (+) input terminal on the inverter.
 - Connect the other end of the black cable to the negative (-) input terminal on the inverter.
 - Ensure all connections are tight and secure. Incorrect polarity will damage the inverter.

3. **Connect Remote Control (Optional):** Plug the wired remote control into the designated port on the inverter for convenient operation from a distance.



REMOTE CONTROLLER+CABLES

Image: The wired remote controller and the red and black battery connection cables, essential components for setting up and operating the inverter.

OPERATING INSTRUCTIONS

To operate your VEVOR Pure Sine Wave Inverter:

1. **Power On:** Once all connections are secure, switch the inverter's power button to the "ON" position. The LCD display will illuminate, showing battery voltage and output status.
2. **Connect Appliances:** Plug your AC appliances into the inverter's output sockets. For USB charging, use the USB port.
3. **Monitor Performance:** Observe the LCD display for real-time information on input voltage, output power, and any error codes.
4. **Power Off:** Before disconnecting any appliances or the inverter from the battery, switch the inverter's power button to the "OFF" position.

The inverter is suitable for various applications, including powering household appliances, charging mobile devices, and providing power in vehicles.



Image: Illustrations demonstrating the versatile applications of the VEVOR inverter, including powering home electronics, charging smartphones, operating fans, and providing power in automotive settings.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your 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 vents are free from dust and obstructions. Blocked vents can lead to overheating.
- **Connections:** Regularly check all electrical connections for tightness and corrosion. Loose connections can cause power loss or overheating.
- **Storage:** If storing the inverter for an extended period, ensure it is clean, dry, and stored in a cool, well-ventilated area. Disconnect it from the battery.

TROUBLESHOOTING

Refer to the table below for common issues and their solutions:

Problem	Possible Cause	Solution
Inverter not turning on	Loose battery connections, low battery voltage, faulty fuse.	Check battery connections, charge battery, replace fuses.
No AC output	Overload, short circuit, over-temperature, low/high input voltage.	Reduce load, check for short circuits, allow inverter to cool, check battery voltage.
Cooling fan not operating	Inverter not hot enough to trigger fan, fan malfunction.	Fan operates automatically when needed. If inverter overheats without fan, contact support.
LCD display not working	Power issue, display malfunction.	Check power connections. If inverter functions but display doesn't, contact support.

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

SPECIFICATIONS

Parameter	Value
Brand	VEVOR
Model Name	Pure Sine Wave Inverter, 5000W 10000W
Model Number	Inverseur Electrique 5000W
Continuous Power	5000 Watts
Peak Power	10000 Watts
Input Voltage	DC 24 Volts
Output Voltage	AC 230 Volts, 50 Hz
Efficiency	90-95%
Display Type	LCD
Safety Compliance	CE
Color	Black



Image: The physical dimensions of the VEVOR Pure Sine Wave Inverter, indicating its length, width, and height for installation planning.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official VEVOR website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

You can visit the VEVOR store on Amazon for more information: [VEVOR Store](#)