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› ETREPOW 1500 Watt/3000 Watt Pure Sine Wave Power Inverter User Manual

ETREPOW LT15PUS12PT

ETREPOW 1500W/3000W Pure Sine Wave Power Inverter User Manual

Model: LT15PUS12PT

PRODUCT OVERVIEW

The ETREPOW 1500 Watt/3000 Watt Pure Sine Wave Power Inverter converts 12V DC power from your battery into 110V/120V AC power, suitable for a wide range of electronic devices. Featuring 4 AC sockets and a 2.1A USB port, it provides stable and clean power with low interference, making it ideal for outdoor activities, home backup, camping, RVs, trucks, and cars.



Image: The ETREPOW 1500W Pure Sine Wave Power Inverter, showcasing its compact design, multiple AC outlets, USB port, digital display, and included remote control and battery cables.

IMPORTANT SAFETY INFORMATION

Please read all safety warnings and instructions carefully before operating the inverter. Failure to do so may result in electric shock, fire, or serious injury.

- Ensure proper ventilation around the inverter to prevent overheating.
- Do not expose the inverter to water, rain, or excessive moisture.
- Connect the inverter only to a 12V DC power source.
- Always connect the ground wire before connecting battery cables.
- Avoid short-circuiting the output terminals.
- Do not open the inverter casing; there are no user-serviceable parts inside.
- Keep out of reach of children.

Multiple Protection, Safe and Reliable



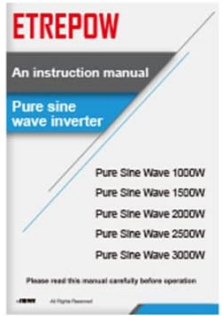
Image: Visual representation of the inverter's multiple protection features, including overload, reverse connection, short circuit, temperature control, grounding, audible alarm, overvoltage, and low voltage protection.

PACKAGE CONTENTS

Please check the package carefully to ensure all items are present and undamaged:

- 1 x ETREPOW 1500W Pure Sine Wave Inverter (12V to 110V)
- 1 x Remote Control
- 1 Set of Inverter Battery Cables (Red and Black)
- 1 x Ground Wire
- Spare Fuses
- 1 x User Manual

Accessories Display

				
Remote Control*1	Battery Cables*2	Ground Wire*1	Fuses*6	Manual*1

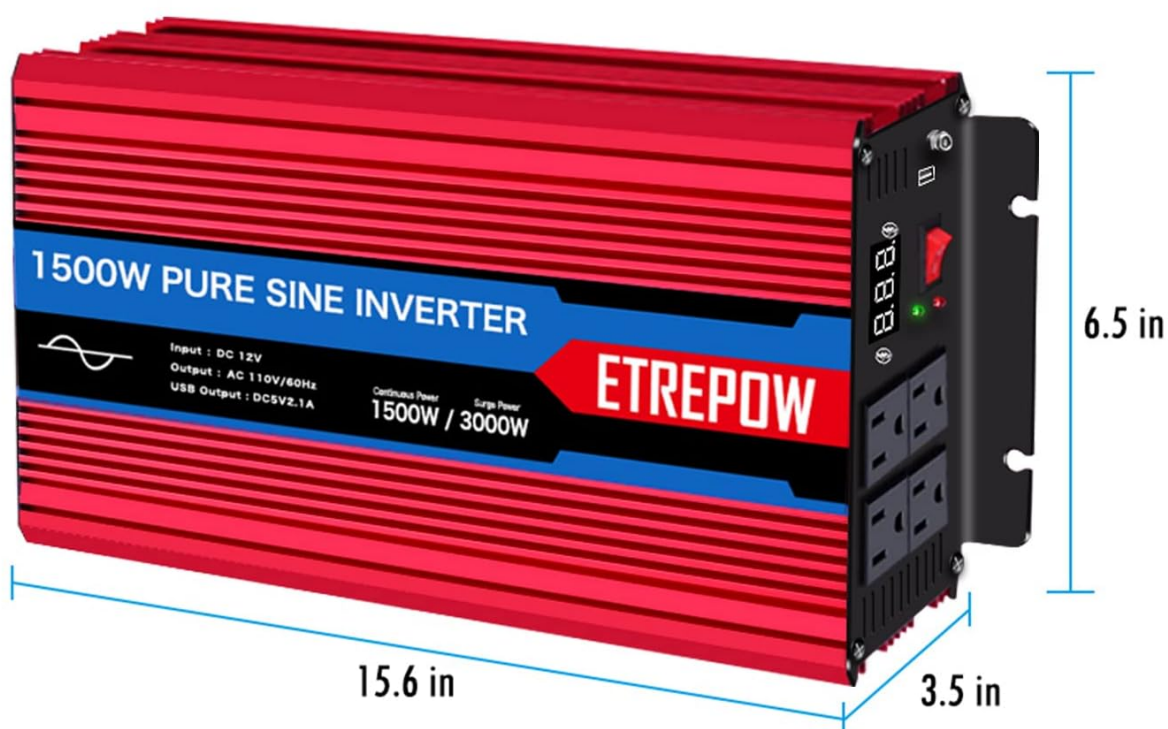


Image: A display of all included accessories: remote control, battery cables, ground wire, spare fuses, and the user manual, alongside the inverter with its dimensions.

PRODUCT FEATURES AND COMPONENTS

Familiarize yourself with the key features and components of your ETREPOW inverter:

- **Digital Display:** Shows input/output voltage, output power, and alerts for overvoltage, low voltage, overload, overheating, and short circuit conditions.
- **Multiple Protection:** Built-in fuse protects against overload, overheating, high voltage, short circuit, and includes high/low voltage alarms.
- **Pure Sine Wave Output:** Provides clean power with low interference, suitable for sensitive electronics.
- **Cooling Fans:** Integrated fans ensure optimal operating temperature and prevent overheating.



Image: Detailed view of the inverter's front panel (AC outlets, USB ports, ON/OFF switch, power indicator, digital display) and rear panel (negative DC terminal, positive DC terminal, coolers).

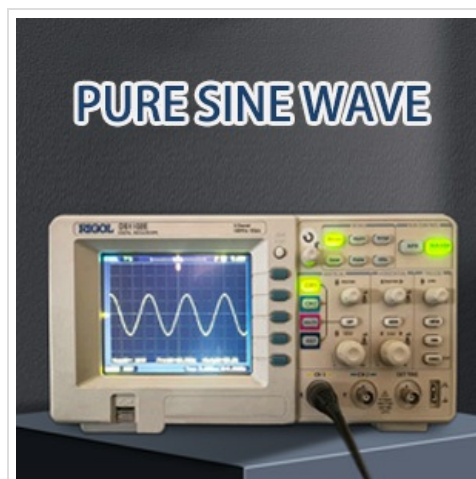


Image: An oscilloscope screen demonstrating the smooth, clean waveform of a pure sine wave output.



Image: Close-up view of the inverter's cooling fans, highlighting their role in heat dissipation.

SETUP AND INSTALLATION

Connecting to a Battery

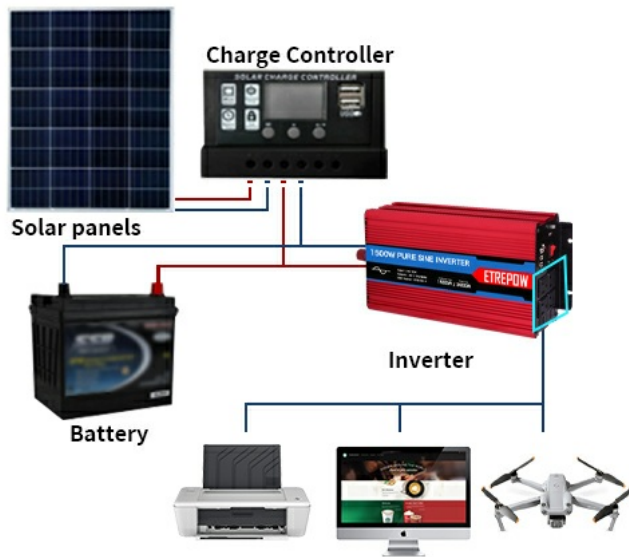
1. Ensure the inverter's power switch is in the OFF position.
2. Unscrew the nuts on the positive (red) and negative (black) DC terminals of the inverter.
3. Connect the ring terminal of the black battery cable to the negative (-) terminal of the inverter and tighten the nut securely.
4. Connect the ring terminal of the red battery cable to the positive (+) terminal of the inverter and tighten the nut securely.
5. Connect the other end of the black battery cable to the negative (-) terminal of your 12V DC battery and tighten.
6. Connect the other end of the red battery cable to the positive (+) terminal of your 12V DC battery and tighten.

Grounding

For safety, the inverter must be properly grounded. Connect the included ground wire from the inverter's ground terminal to a suitable ground point, such as the chassis of a vehicle or a dedicated earth ground.

Connection of the Power Inverter

Option 1 : Connect to Solar Panel



Option 2 : Connect to the Battery

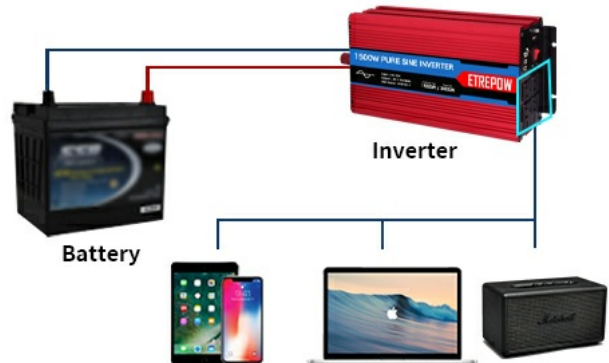


Image: Connection diagrams illustrating how to connect the inverter to either a solar panel system with a charge controller or directly to a battery.

Setup Video Guide

Video: This video demonstrates the physical connection of the inverter to a battery, including securing the positive and negative terminals, and shows the initial power-on sequence.

OPERATING YOUR INVERTER

Turning On/Off

1. After connecting the inverter to the battery, press the red ON/OFF switch on the inverter's front panel to turn it on. The digital display will illuminate.
2. Alternatively, use the remote control by plugging its cable into the designated port on the inverter. Press the button on the remote to power the inverter on or off.

Connecting Devices

Once the inverter is powered on, you can connect your AC-powered devices to the 110V/120V AC outlets and USB-powered devices to the 2.1A USB port.

- Insert the power plug of your AC device into one of the four AC outlets.
- Connect your USB charging cable to the USB port for charging smartphones, tablets, or other USB devices.



Image: The inverter in an outdoor setting, actively powering a laptop and charging a smartphone, demonstrating its portability and utility.



Image: The inverter providing power to a laptop and tablet on a picnic blanket, illustrating its use for leisure and work in outdoor environments.

Remote control

The remote control is one-key switch, which is more convenient to use, allowing you to control your inverter at any time



Image: The inverter with its remote control, highlighting the convenience of remotely switching the unit on or off, useful in various settings like camping.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your inverter:

- **Cleaning:** Periodically clean the exterior of the inverter with a dry, soft cloth. Ensure ventilation openings are free from dust and debris. Do not use liquid cleaners.
- **Connections:** Regularly check all electrical connections (battery cables, ground wire) to ensure they are tight and free from corrosion. Loose connections can cause overheating and damage.
- **Storage:** When not in use for extended periods, store the inverter in a cool, dry place away from direct sunlight and moisture. Disconnect it from the battery.

TROUBLESHOOTING

If you encounter issues with your inverter, refer to the following common problems and solutions. For more detailed troubleshooting, please consult the official [Troubleshooting Guide PDF](#).

- **No Power Output:** Check battery connections, ensure the inverter is switched ON, and verify battery voltage is within the operating range.
- **Overload Alarm:** Reduce the total wattage of connected devices. The inverter's peak power is 3000W, but continuous output is 1500W.
- **Overheating:** Ensure adequate ventilation around the inverter. Clear any obstructions from the cooling fans.
- **Low/High Voltage Alarm:** Check your battery's charge level. Recharge or replace the battery if necessary.
- **Short Circuit:** Disconnect all loads and check for any short circuits in your wiring or connected devices.

For a comprehensive guide, download the official [Troubleshooting Guide \(PDF\)](#).

TECHNICAL SPECIFICATIONS

Specification	Value
Product Dimensions	15.55 x 6.54 x 3.5 inches
Item Weight	9.31 pounds
Item Model Number	LT15PUS12PT
Manufacturer	ETREPOW
Brand	ETREPOW
Recommended Uses	Home, Office, Vehicle
Power Source	Solar and Battery Powered
Wattage	1500 watts (Continuous) / 3000 watts (Peak)
Battery Capacity (Recommended)	200 Amp Hours

WARRANTY AND SUPPORT

ETREPOW offers a **1-year warranty** for this product, which includes free replacement within the first year for manufacturing defects. We are committed to providing cost-effective products and perfect after-sales service. For any questions, technical assistance, or warranty claims, please contact ETREPOW customer service. Our 24-hour friendly customer service team is ready to assist you.

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.

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Anonymous

Email

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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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