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› ETREPOW 1500W Pure Sine Wave Inverter User Manual

ETREPOW PT15PEU24

ETREPOW 1500W Pure Sine Wave Inverter User Manual

Model: PT15PEU24

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your ETREPOW 1500W Pure Sine Wave Inverter. Please read this manual thoroughly before use and retain it for future reference.

The ETREPOW 1500W Pure Sine Wave Inverter converts 24V DC battery power into 220V AC household power, suitable for a wide range of electronic devices and appliances. It features a continuous output of 1500W and a peak power of 3000W, ensuring stable and clean power delivery.



Figure 1: ETREPOW 1500W Pure Sine Wave Inverter and included accessories (battery cables, remote control, fuses, ground wire).

2. SAFETY INFORMATION AND PRECAUTIONS

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

- Ensure the inverter is connected to a 24V DC power source only.
- Do not expose the inverter to water, rain, or excessive moisture.
- Operate the inverter in a well-ventilated area to prevent overheating.
- Do not open the inverter casing; there are no user-serviceable parts inside.
- Keep children away from the inverter during operation.
- Disconnect the inverter from the power source before performing any maintenance or cleaning.
- Ensure the total power consumption of connected devices does not exceed the inverter's continuous power rating (1500W).

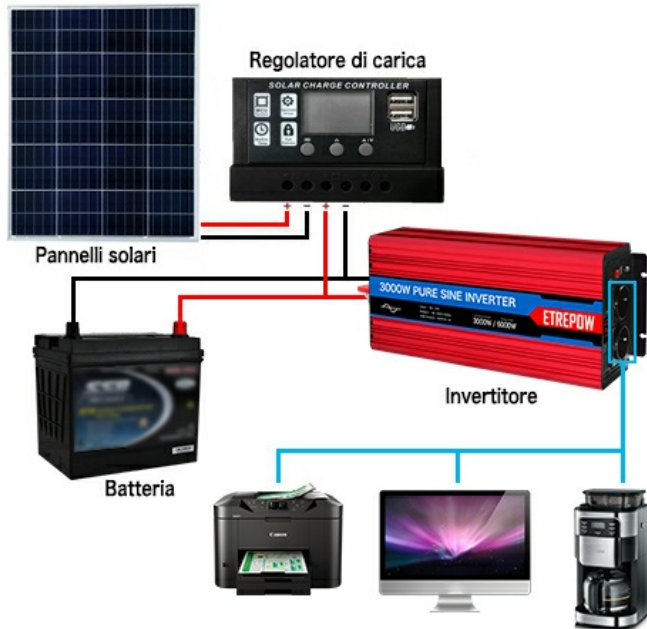
The inverter is equipped with multiple protection features:

- Overload Protection
- Overvoltage Protection
- Low Voltage Protection
- Short Circuit Protection
- Overheat Protection (Temperature Control)
- Reverse Polarity Protection

- Audible Alarm Protection
- Ground Wire Protection

Alcuni collegamenti all'inverter

Opzione 1: installazione con pannello solare



Opzione 2: installazione semplice

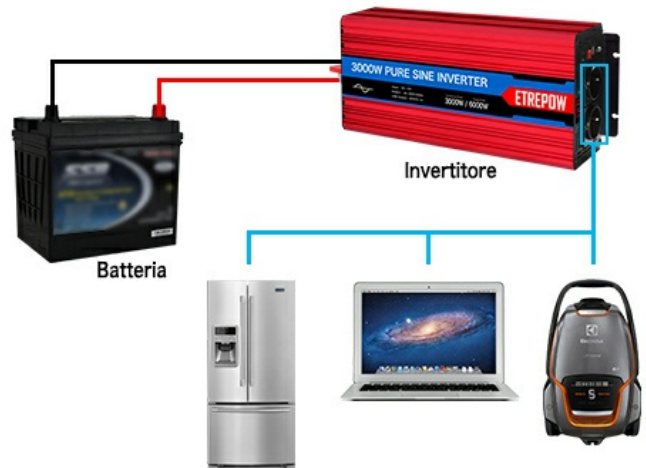


Figure 2: Inverter's built-in safety features for secure and reliable operation.



Figure 3: The inverter features a robust design for enhanced safety, including protection against accidental contact.

3. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the different parts of your ETREPOW inverter:

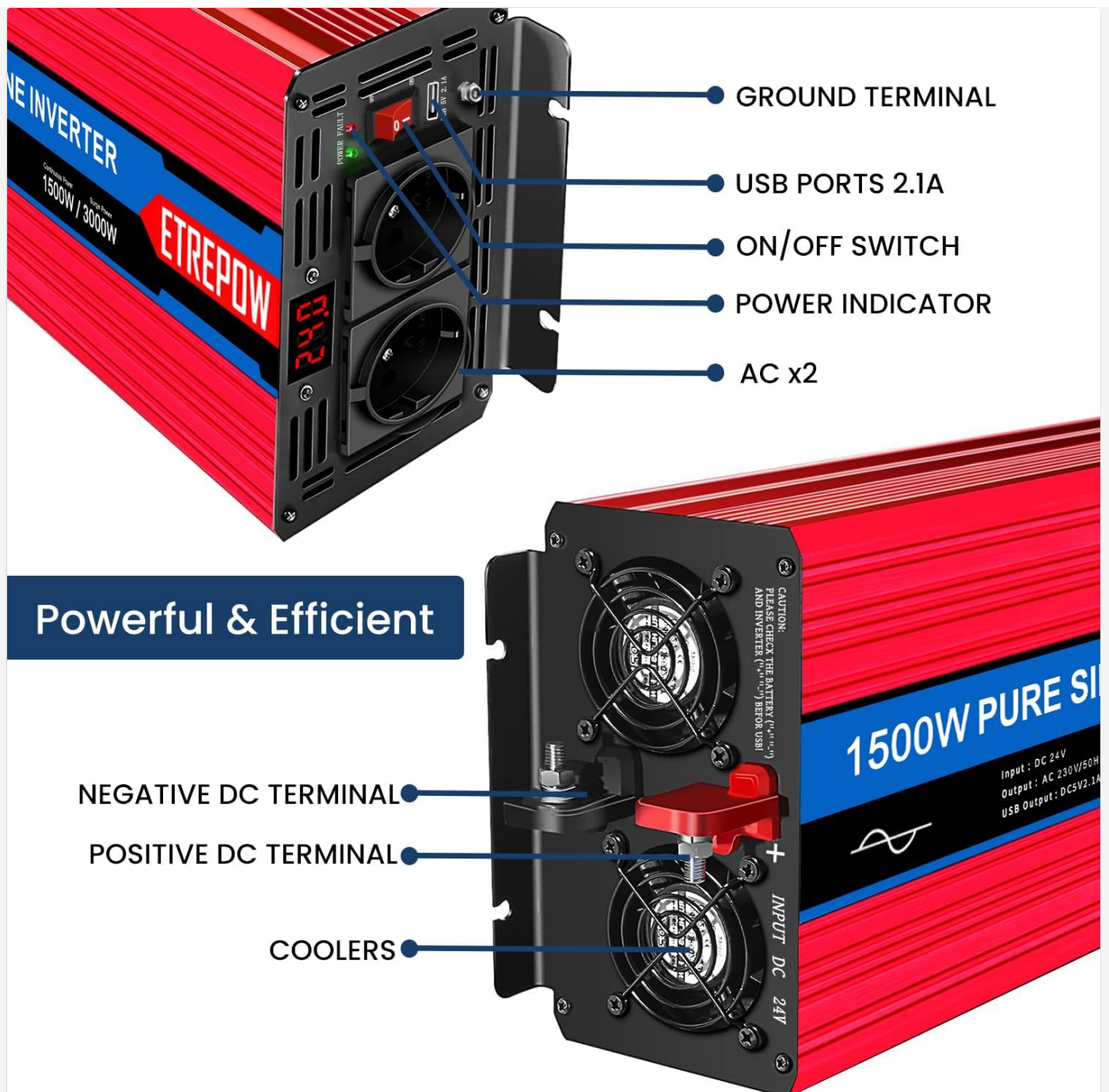


Figure 4: Key components of the inverter, including input/output ports and controls.

- **Ground Terminal:** For connecting the ground wire to ensure safety.
- **USB Ports (2.1A):** For charging USB-powered devices.
- **ON/OFF Switch:** Main power switch for the inverter.
- **Power Indicator:** LED light indicating the inverter's operational status.
- **AC x2 (EU Sockets):** Two 220V AC output sockets for connecting appliances.
- **Digital Display:** Shows real-time operational data, such as battery voltage.
- **Negative DC Terminal:** For connecting the negative (-) battery cable.
- **Positive DC Terminal:** For connecting the positive (+) battery cable.
- **Coolers (Fans):** Integrated cooling fans to dissipate heat during operation.



Figure 5: The inverter is equipped with cooling fans for efficient heat dissipation.

4. SPECIFICATIONS

Feature	Specification
Brand	ETREPOW
Model Number	PT15PEU24
Continuous Power	1500 Watts
Peak Power	3000 Watts
Input Voltage	24 Volts DC
Output Voltage	220 Volts AC
Frequency	50 Hz
USB Output	DC 5V/2.1A
Color	Red
Certifications	CE, ISO, RoHS
UPC	700433789403

Remote control

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



Figure 6: The inverter is certified by CE, ISO, and RoHS standards, ensuring safety and quality.

5. SETUP AND INSTALLATION

Follow these steps for proper installation of your inverter:

1. **Placement:** Choose a dry, well-ventilated area away from direct sunlight, heat sources, and flammable materials. Ensure adequate space around the inverter for air circulation.
2. **Battery Connection:**
 - Ensure the inverter's ON/OFF switch is in the "OFF" position.
 - Connect the **red** battery cable to the **positive (+)** terminal of your 24V battery and the **positive (+)** DC input terminal on the inverter.
 - Connect the **black** battery cable to the **negative (-)** terminal of your 24V battery and the **negative (-)** DC input terminal on the inverter.
 - Ensure all connections are tight and secure to prevent arcing and overheating.

3. **Grounding:** Connect the included ground wire to the ground terminal on the inverter and to a proper earth ground point.
4. **Connecting AC Appliances:** Once the inverter is powered on, plug your 220V AC appliances into the EU sockets. Ensure the total power consumption does not exceed 1500W.
5. **USB Devices:** Plug USB devices into the 2.1A USB ports for charging.

Alcuni collegamenti all'inverter

Opzione 1: installazione con pannello solare



Opzione 2: installazione semplice



Figure 7: Connection diagrams for the inverter, including options for solar panel integration or direct battery connection.

6. OPERATING INSTRUCTIONS

To operate your ETREPOW inverter:

1. **Power On:** After connecting the inverter to the battery, switch the ON/OFF button on the inverter to the "ON" position. The power indicator light will illuminate, and the digital display will show the battery voltage.
2. **Digital Display:** The digital display provides real-time information, primarily the input DC voltage from your battery. Monitor this to ensure your battery is adequately charged.
3. **Wireless Remote Control:**
 - Ensure the inverter's main ON/OFF switch is in the "OFF" position before using the remote control for the first time.
 - Press the button on the remote control to turn the inverter ON or OFF. This allows for convenient remote operation.
4. **Connecting Appliances:** Plug your AC appliances into the 220V EU sockets. The pure sine wave output ensures compatibility with sensitive electronics.
5. **Power Off:** When finished, first turn off all connected appliances, then switch the inverter's ON/OFF button to the "OFF" position.

Accessories Display

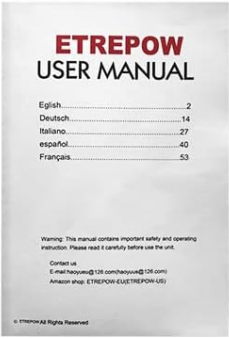
				
Ground Wire*1	Fuses*4	Battery Cables*2	Remote Control*1	Manual*1



Figure 8: The wireless remote control provides convenient one-key operation for the inverter.

7. APPLICATIONS

The ETREPOW 1500W Pure Sine Wave Inverter is versatile and suitable for a wide range of applications, providing reliable AC power wherever you need it:

- **Vehicles:** Ideal for use in cars, RVs, touring cars, and yachts to power electronics on the go.
- **Outdoor Activities:** Perfect for camping, outdoor events, and remote work sites.
- **Home Backup:** Can serve as a backup power source for essential appliances during power outages.
- **Sensitive Electronics:** Its pure sine wave output makes it safe for laptops, medical equipment, and other sensitive devices.



Figure 9: Examples of devices and appliances compatible with the inverter, including laptops, refrigerators, and coffee makers.



Pure sine wave

Provide clean power and low interference
to your devices



Yacht



Working



Touring car



Outdoors

Figure 10: The inverter provides clean power for various scenarios, including marine, professional, and recreational uses.

8. MAINTENANCE

To ensure the longevity and optimal performance of your inverter:

- **Cleaning:** Regularly clean the exterior of the inverter with a dry, soft cloth. Do not use liquid cleaners or solvents.
- **Ventilation:** Ensure the cooling fans and ventilation openings are free from dust and obstructions. Periodically check for debris buildup.
- **Connections:** Periodically check all electrical connections (battery cables, ground wire) to ensure they remain tight and free from corrosion.
- **Storage:** If storing the inverter for an extended period, disconnect it from the battery and store it in a cool, dry place.

9. TROUBLESHOOTING

If you encounter issues with your inverter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Inverter not turning on	Loose battery connections, low battery voltage, faulty fuse.	Check battery cable connections. Ensure battery voltage is sufficient (above 22V for 24V system). Replace fuses if blown (spare fuses included).
No AC output	Overload, short circuit, overheating, low/high input voltage.	Reduce connected load. Check for short circuits in appliances/cables. Allow inverter to cool down. Verify battery voltage is within operating range (22V-30V).
Audible alarm sounds	Low battery voltage, overload, overheating.	Recharge or replace battery. Reduce connected load. Ensure proper ventilation.
Remote control not working	Inverter's main switch is ON, remote battery dead, out of range.	Ensure the inverter's main switch is OFF for remote control operation. Replace remote battery. Operate within remote control range.

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

10. WARRANTY AND SUPPORT

ETREPOW provides a **1-year warranty** for this inverter, including free replacement within the first year for manufacturing defects.

For any questions regarding the use, performance, or troubleshooting of your ETREPOW inverter, please do not hesitate to contact our customer service. We offer **24-hour friendly customer support**.

Contact information can typically be found on the product packaging or the official ETREPOW website.

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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

Anonymous

Email

you@example.com

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