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› Energizer 1500W 12V Pure Sine Power Inverter (Model EP1500) User Manual

Energizer EP1500

Energizer 1500W 12V Pure Sine Power Inverter (Model EP1500) User Manual

Model: EP1500

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Energizer 1500W 12V Pure Sine Power Inverter, Model EP1500. This device converts 12V DC battery power into 120V AC household power, suitable for various electronic devices and appliances. Please read this manual thoroughly before installation and use.

SAFETY INFORMATION

Adhering to safety guidelines is crucial to prevent personal injury and damage to the inverter or connected devices.

- Ensure proper ventilation around the inverter. Do not block cooling vents.
- Keep the inverter away from water, moisture, and flammable materials.
- Connect the inverter only to a 12V DC power source.
- Always connect the ground terminal to a proper earth ground.
- Do not open the inverter casing; there are no user-serviceable parts inside.
- Ensure the total wattage of connected devices does not exceed the inverter's continuous power rating (1500W).
- Use appropriate gauge wiring and an ANL fuse kit as provided for safe installation.

PRODUCT OVERVIEW

The Energizer EP1500 Pure Sine Power Inverter is designed for reliable power conversion. It features multiple output options and integrated safety mechanisms.

Energizer®

LCD DIGITAL DISPLAY

DISPLAY SELECTOR
BUTTON (MENU)

2 STANDARD
NORTH
AMERICAN
AC OUTLET

HARDWIRE
AC OUTPUT
CONNECTION

ON/OFF
BUTTON

TWO USB
PORTS QC 3.0

REMOTE
CONTROL RECEPTACLE

POSITIVE POWER
INPUT TERMINAL

NEGATIVE POWER
INPUT TERMINAL

HIGH SPEED
THERMO
COOLING FANS

GROUND
TERMINAL

Image: Front and rear view of the Energizer EP1500 inverter with labels for its components, including AC outlets, USB ports, LCD display, power button, remote control receptacle, positive and negative DC input terminals, high-speed thermo cooling fans, and ground terminal.

Key Features:

- **1500 Watts Continuous Pure Sine Power:** Provides stable and clean power suitable for sensitive electronics.
- **3000 Watts Peak Power:** Handles temporary surges for starting certain appliances.
- **Dual 120V AC Outlets:** Standard North American outlets for household devices.
- **Dual QC 3.0 USB Ports:** For quick charging of smartphones, tablets, and other USB-powered devices.
- **LCD Digital Display:** Shows battery output, output wattage (W) or input voltage (VDC), warning indicators (high/low voltage, overload), and temperature overload.
- **Advanced Protection:** Includes low voltage, high voltage, short circuit, overload, and high temperature protection.
- **Thermal-Activated Cooling Fans:** High-speed fans ensure efficient cooling during operation.
- **Hardwire AC Output Connection:** Optional connection for permanent installations.

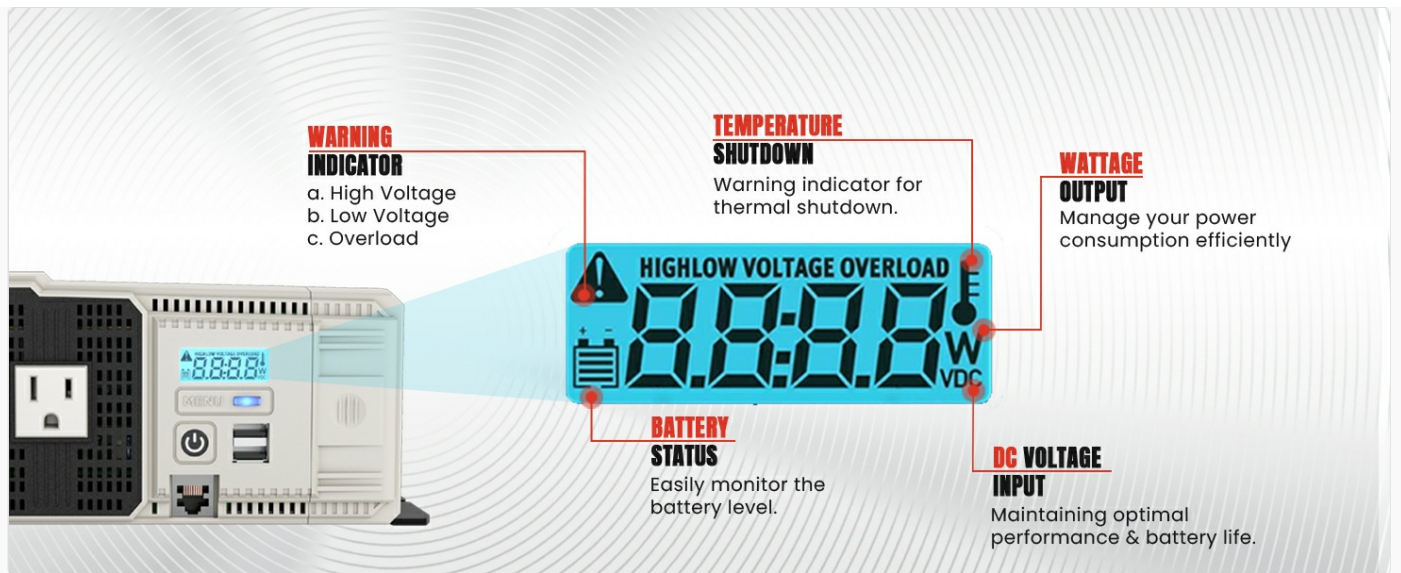


Image: Detailed view of the inverter's LCD display, highlighting the warning indicator for high/low voltage and overload, battery status, wattage output, DC voltage input, and temperature shutdown indicator.

WHAT'S INCLUDED

Your Energizer EP1500 Power Inverter package includes the following components:

FREE INSTALLATION KIT

VALUE
\$**80**



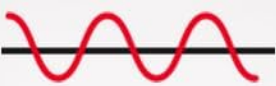

PURE SINE WAVE

Image: The Energizer EP1500 Pure Sine Inverter shown alongside its included accessories: a wired remote control, an ANL fuse kit, and 3-foot battery cables.

- Energizer 1500W Pure Sine Power Inverter (EP1500)
- Wired Remote Control
- ANL Fuse Kit
- 3-foot Battery Cables (Red for Positive, Black for Negative)

SETUP AND INSTALLATION

Follow these steps for proper installation of your power inverter.

Connecting to a 12V Battery:

1. Ensure the inverter is turned off.

2. Connect the red battery cable to the positive (+) terminal of the 12V battery and the positive (+) terminal on the inverter.
3. Connect the black battery cable to the negative (-) terminal of the 12V battery and the negative (-) terminal on the inverter.
4. Securely fasten all connections. Loose connections can cause overheating.
5. Connect the inverter's ground terminal to a suitable earth ground point.

SMART CHIP PROTECTION

This advanced feature ensures optimal charging and power delivery while preventing overheating and overloading.



**LOW VOLTAGE
PROTECTION**



**HIGH VOLTAGE
PROTECTION**



**SHORT CIRCUIT
PROTECTION**



**OVERLOAD
PROTECTION**



**HIGH TEMPERATURE
PROTECTION**

Image: A visual guide demonstrating the three steps for easy setup: 1. Connect inverter to 12V battery, 2. Turn on inverter, 3. Plug devices into AC outlets or USB ports.

Optional Hardwire AC Output Connection:

For permanent installations, the inverter includes a hardwire AC output connection. Refer to the diagram for proper wiring.

HARDWIRE KIT INCLUDED



HOT



NEUTRAL



**EARTH
GROUND**



Image: Diagram showing the hardwire AC output connection terminals labeled 'H' for Hot, 'N' for Neutral, and 'E' for Earth Ground, with corresponding wire colors.

OPERATION

Once properly installed, operating the inverter is straightforward.

1. Press the power button on the inverter or the remote control to turn it on. The LCD display will illuminate.

2. Monitor the LCD display for input voltage, output wattage, and any warning indicators.
3. Plug your AC devices into the 120V AC outlets or USB devices into the QC 3.0 USB ports.
4. Ensure the total power draw of all connected devices does not exceed 1500 watts.
5. When finished, turn off the inverter by pressing the power button.

Compatible Devices:

The pure sine wave output makes this inverter suitable for a wide range of electronics, including:

COMPATIBLE DEVICES

CONNECT DC BATTERY CABLES DIRECTLY TO YOUR 12V
CAR BATTERY AND YOU HAVE POWER ON THE GO



LAPTOP COMPUTER



DIGITAL CAMERA



LCD MONITOR



SOUND SYSTEM



ELECTRIC FAN



GAME CONSOLE

Image: Icons representing various compatible devices such as laptop computers, digital cameras, LCD monitors, sound systems, electric fans, and game consoles.

- Laptops and computers
- Smartphones and tablets
- CPAP machines and nebulizers
- Televisions and DVD players

- Small kitchen appliances (within wattage limits)
- Power tools (within wattage limits)

ADVANCED PROTECTION FEATURES

The Energizer EP1500 inverter incorporates multiple safety features to protect itself and your connected devices.

CONVENIENT CHARGING OPTIONS

Equipped with **Dual AC Outlets** provide a stable and reliable 110V power supply, making it easy to run household appliances and other essential electronics, even while on the road. Additionally, the **Dual USB Ports** offer a quick and efficient charging solution for smartphones, tablets, and other USB-powered devices.



Image: Icons illustrating the smart chip protection features: Low Voltage Protection, High Voltage Protection, Short Circuit Protection, Overload Protection, and High Temperature Protection.

- **Low Voltage Protection:** Automatically shuts down the inverter if the input voltage drops too low, preventing damage to your battery.
- **High Voltage Protection:** Protects the inverter from excessive input voltage.
- **Overload Protection:** Shuts down the inverter if the connected load exceeds its rated capacity.
- **Short Circuit Protection:** Prevents damage in case of a short circuit in the output.
- **High Temperature Protection:** Activates cooling fans and may shut down the inverter if internal temperatures become too high.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your inverter.

- Keep the inverter clean and free from dust and debris. Use a dry cloth for cleaning.
- Periodically check battery cable connections to ensure they are tight and free from corrosion.
- Ensure cooling vents are unobstructed for proper airflow.
- Store the inverter in a cool, dry place when not in use.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No power output	Inverter off, low battery voltage, loose connections, blown fuse	Turn on inverter, charge battery, check and tighten connections, replace fuse if necessary.
Overload warning	Connected load exceeds 1500W	Reduce the total wattage of connected devices.
High temperature warning	Poor ventilation, excessive load	Ensure clear airflow around the inverter, reduce load, allow to cool.
Inverter shuts down	Low/high voltage, overload, short circuit, high temperature	Check LCD display for specific warning, address the underlying cause (e.g., charge battery, reduce load).

SPECIFICATIONS

Feature	Specification
Model Name	EP1500
Continuous Power	1500 Watts
Peak Power	3000 Watts
Input Voltage	12V DC
Output Voltage	120V AC
Output Waveform	Pure Sine Wave
USB Output	Dual QC 3.0 Ports
Product Dimensions	5.59 x 13.19 x 16.69 inches
Item Weight	12.29 pounds
Certifications	ETL Approved Under UL STD 458

WARRANTY AND SUPPORT

The Energizer EP1500 Power Inverter is backed by a **2-year warranty**, ensuring its quality and performance. For technical support, troubleshooting assistance, or warranty claims, please contact Energizer customer service. Refer to the product packaging or the official Energizer website for the most current contact information.

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