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› Nature Power 38215 1500 Watt Modified Sine Inverter User Manual

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Model: 38215

INTRODUCTION

This manual provides instructions for the safe and efficient operation of your Nature Power 1500 Watt Modified Sine Inverter, model 38215. This device converts 12-Volt DC power from a battery into 120-Volt AC household power, suitable for various applications.

The inverter is designed to provide 1500 Watts of continuous power and can handle surge capacities up to 3000 Watts, making it suitable for powering laptops, small televisions, power tools, small appliances, lights, fans, and radios.

SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating this inverter. Failure to follow these instructions may result in electrical shock, fire, or serious injury.

- Ensure proper ventilation around the inverter.
- Do not expose the inverter to moisture or water.
- Connect the inverter only to a 12-Volt DC power source.
- Avoid short-circuiting the output terminals.
- Keep out of reach of children.
- **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

FEATURES

- Provides 1500 Watts of continuous power and 3000 Watts surge capacity.
- Converts 12-Volt DC power to 120-Volt AC (household) power.
- Equipped with 2 AC outlets, 1 5-Volt USB port, and an On/Off switch.
- Automatic shutoff protection against overload, short-circuit, and high/low temperature battery conditions.
- Certified compliant with safety standards and ETL listed.

PRODUCT OVERVIEW



Figure 1: Front view of the Nature Power 1500 Watt Modified Sine Inverter. This image shows the main unit with its green and black casing, featuring two standard AC outlets and a USB port on the front panel, along with an On/Off switch and indicator lights.



Figure 2: The Nature Power Inverter installed and in use within an RV setting. A woman is preparing coffee using an appliance powered by the inverter, demonstrating its application for mobile lifestyles.

SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of your inverter. Follow these general guidelines:

1. **Choose a Location:** Select a dry, well-ventilated area away from direct sunlight, heat sources, and flammable materials. Ensure sufficient space for air circulation around the inverter.
2. **Mounting:** Securely mount the inverter using appropriate hardware. The inverter can be mounted horizontally or vertically.
3. **Battery Connection:** Connect the inverter directly to a 12-Volt DC battery. Ensure correct polarity: positive (+) to positive, and negative (-) to negative. Use heavy-gauge cables appropriate for the inverter's wattage and cable length to minimize voltage drop.
4. **Grounding:** Properly ground the inverter chassis to the vehicle or a suitable ground point.
5. **Initial Power-Up:** After all connections are secure, switch on the inverter. The indicator light should illuminate.

OPERATION

Once the inverter is properly installed and powered on, you can connect your AC devices.

1. **Connect Devices:** Plug your 120-Volt AC appliances into the inverter's AC outlets. For USB charging, connect your device to the 5-Volt USB port.
2. **Power Consumption:** Ensure the total wattage of all connected devices does not exceed the inverter's continuous power rating (1500 Watts). Overloading the inverter will trigger its automatic shutoff protection.
3. **Monitoring:** Observe the inverter's indicator lights for operational status. Refer to the troubleshooting section if any fault indicators appear.
4. **Shut Down:** When finished, switch off the inverter before disconnecting any appliances.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your inverter.

- **Cleaning:** Keep the inverter clean and free from dust and debris. Use a dry cloth for cleaning. Do not use liquid cleaners.
- **Ventilation:** Periodically check that the ventilation openings are not blocked.
- **Connections:** Ensure all electrical connections are 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.

TROUBLESHOOTING

This section addresses common issues you might encounter with your inverter.

Problem	Possible Cause	Solution
Inverter not turning on	Loose battery connection, low battery voltage, blown fuse.	Check battery connections, charge battery, inspect and replace fuse if necessary.
No AC output	Overload, high temperature, short circuit.	Reduce connected load, allow inverter to cool, check for short circuits in connected devices.
Low power output	Low battery voltage, excessive cable length/gauge.	Charge battery, use shorter/thicker battery cables.

SPECIFICATIONS

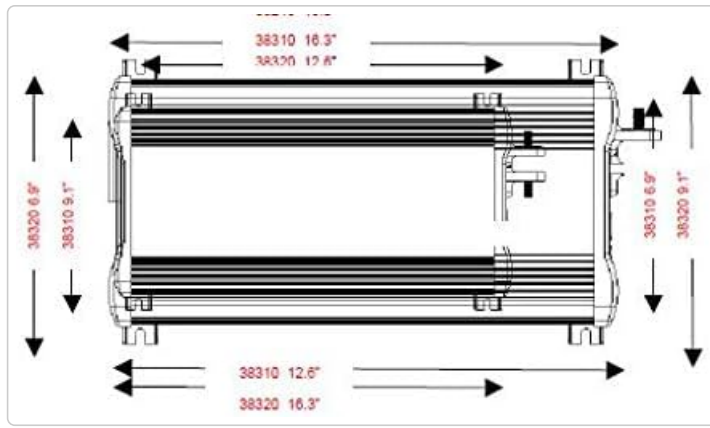


Figure 3: Technical drawing illustrating the dimensions of the Nature Power 1500 Watt Modified Sine Inverter. The diagram provides measurements for length, width, and height, essential for installation planning.

Specification	Value
Model Number	38215
Continuous Power	1500 Watts
Surge Power	3000 Watts
Input Voltage	12-Volt DC
Output Voltage	120-Volt AC
Output Waveform	Modified Sine Wave
AC Outlets	2
USB Port	1 (5-Volt)
Product Dimensions	15 x 6.9 x 3.4 inches
Item Weight	0.01 ounces <i>(Note: This weight may be a data entry error. Please refer to product packaging for accurate weight.)</i>
Manufacturer	RDK Products
Certifications	ETL Listed

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or contact Nature Power customer service. Keep your purchase receipt as proof of purchase.

For further assistance, you may visit the official Nature Power website or contact their support 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

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

Open the live page

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