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**MWXNE 44ba3094-3e21-4068-975c-9b04a1613dc0**

# MWXNE 3000W Pure Sine Wave Power Inverter User Manual

Model: 44ba3094-3e21-4068-975c-9b04a1613dc0

Brand: MWXNE

## INTRODUCTION

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This user manual provides essential information for the safe and efficient operation of your MWXNE 3000W Pure Sine Wave Power Inverter. Please read this manual thoroughly before installation and use to ensure proper functionality and to prevent damage to the unit or connected devices.



Figure 1: MXNE 3000W Pure Sine Wave Power Inverter and included accessories.

## SAFETY INFORMATION

Always adhere to the following safety guidelines to prevent injury or damage:

- Ensure proper grounding of the inverter to a reliable earth ground.
- Do not expose the inverter to water, rain, snow, or spray.
- Do not operate the inverter if it has been dropped or damaged.
- Keep the inverter away from flammable materials and gases.
- Ensure adequate ventilation around the inverter to prevent overheating.
- Do not attempt to open or modify the inverter. Refer all servicing to qualified personnel.
- Verify input voltage matches the inverter's specifications (24V DC for this model).
- Avoid overloading the inverter beyond its rated capacity (3000W).
- This inverter is designed for pure sine wave output, suitable for sensitive electronics.

# SAFETY PROTECTION SYSTEM

Comprehensive Protections for Your Electrical Safety

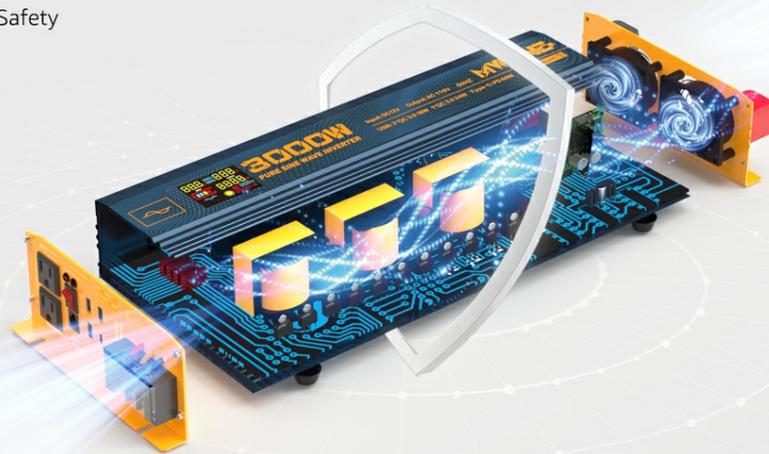


Figure 2: The inverter features comprehensive safety protections including short circuit, overload, low/over voltage, battery low/over voltage, over temperature, and reverse polarity protection.

## PACKAGE CONTENTS

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The following items are included in your package:

- 1x MWXNE 3000W Pure Sine Wave Inverter
- 1x User Manual
- 2x Battery Cables (1x Red, 1x Black)
- 1x Wireless Remote Controller
- 1x Wired Remote Controller
- 5x Fuses
- 1x Spanner
- 1x Earth Wire



Figure 3: All components included in the MWXNE 3000W Pure Sine Wave Inverter package.

## PRODUCT FEATURES

- **Fast Charging USB Ports:** Converts 24V DC to 110V/120V AC with 2 AC outlets, 2x 18W USB-A ports, 1x 24W USB-A port, and 1x 60W USB-C (TYPE-C) PD port for fast charging.
- **Optimum Performance:** Advanced pure sine wave technology with up to 94.2% conversion efficiency, providing smooth, reliable, and silent electricity.

- **Wide Application:** Ideal for use in vehicles, RVs, trucks, and homes. Suitable for charging various electronic devices including string lights, CPAP machines, cameras, nebulizers, game consoles, TVs, DVD players, iPhones, iPads, car vacuum cleaners, LED table lamps, and mini-fridges.
- **Fully Safety Protections:** FCC CE ROHS PSE certified. Features isolated input/output stable design with under-voltage, overvoltage, overload, overheating, and short circuit protection.
- **Intelligent LCD Display Screen:** Bright LCD display shows voltage, protection status, frequency, and other operational data, providing clear alerts.
- **Easy-to-Use Wired & Wireless Remote:** Includes both a wireless remote for control from a distance and a wired remote with backlight display for convenient monitoring and control.

# 3000W 24V Power Inverter

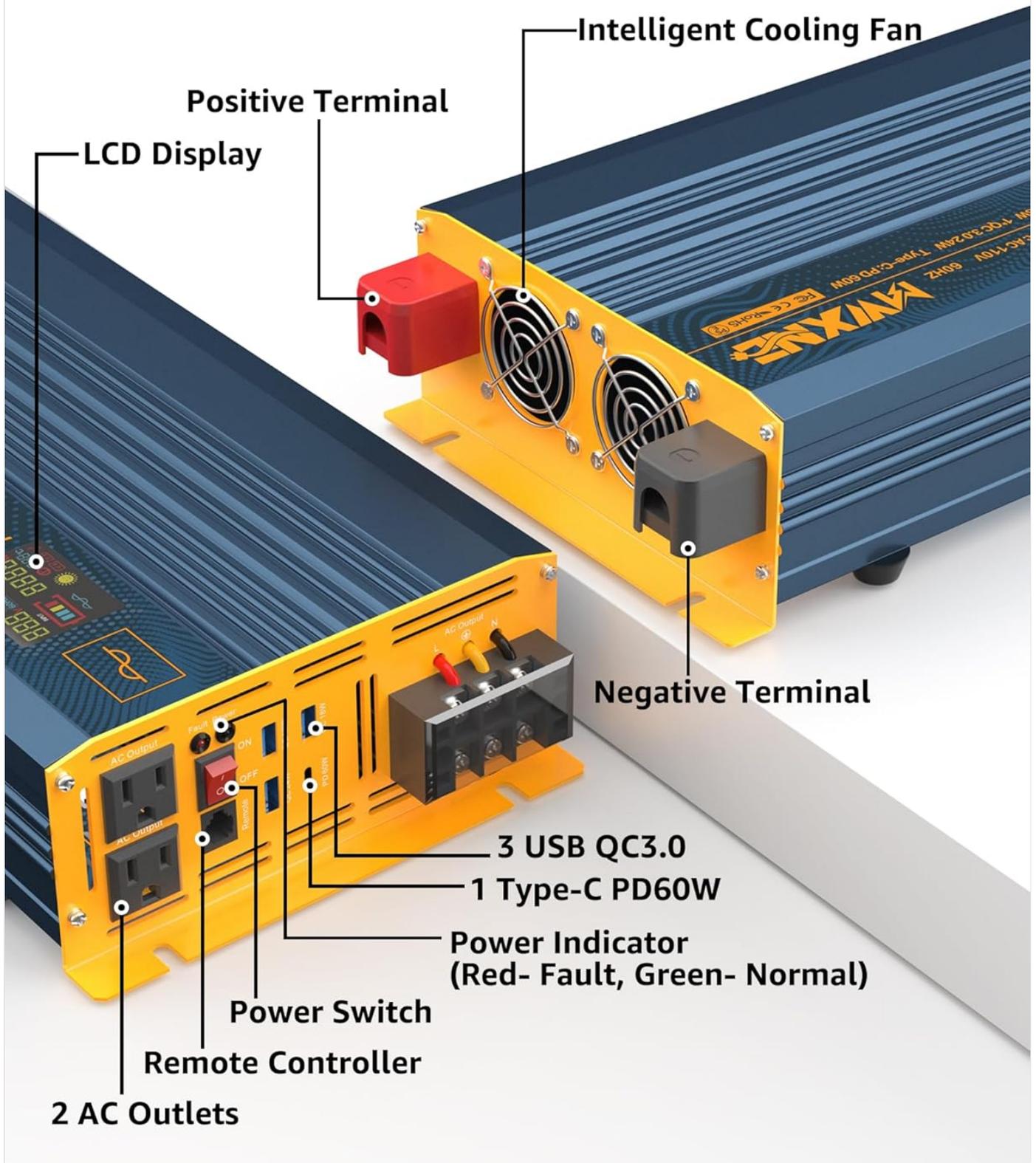


Figure 4: Front and rear view of the inverter, highlighting the LCD display, USB ports, AC outlets, and terminals.

**PURE SINE WAVE** Perfect for Off-grid System, Lower THD, Less Interference, Strong Inductive Loads Capability

> 90% Conversion Efficiency

Suitable for	Pure Sine Wave	Modified Wave
Camera	○	×
Electric Drill	○	×
CPAP	○	×
Hair Dryer	○	×
Electric Iron	○	×
Laptop	○	×
Electric Oven	○	×
Refrigerator	○	×



Figure 5: Comparison of pure sine wave output suitability for different electronic devices.

**High-Speed Charging**

35Mins Charging Test

66%  
iPad Pro

80%  
iPhone 15 Pro

85%  
Samsung S23



Figure 6: High-speed charging performance of the inverter's USB ports.





**Note: The maximum operating wattage may not exceed 3000Watts with this unit**

Figure 8: Examples of common applications for the inverter, including camping, RVs, drones, TVs, CPAP machines, refrigerators, microwaves, and coffee machines.

## SETUP

Follow these steps for proper setup:

1. **Placement:** Choose a dry, well-ventilated area for the inverter. Ensure there is sufficient space around the unit for

airflow.

2. **Grounding:** Connect the earth wire from the inverter's grounding terminal to a reliable earth ground. This is crucial for safety.
3. **Battery Connection:**
  - Connect the red battery cable to the positive (+) terminal of the inverter and the positive (+) terminal of your 24V DC battery bank.
  - Connect the black battery cable to the negative (-) terminal of the inverter and the negative (-) terminal of your 24V DC battery bank.
  - Ensure all connections are tight and secure to prevent arcing and overheating.
4. **Remote Control Connection (Optional):**
  - For the wired remote, connect its cable to the designated remote port on the inverter.
  - The wireless remote operates without direct cable connection to the inverter.

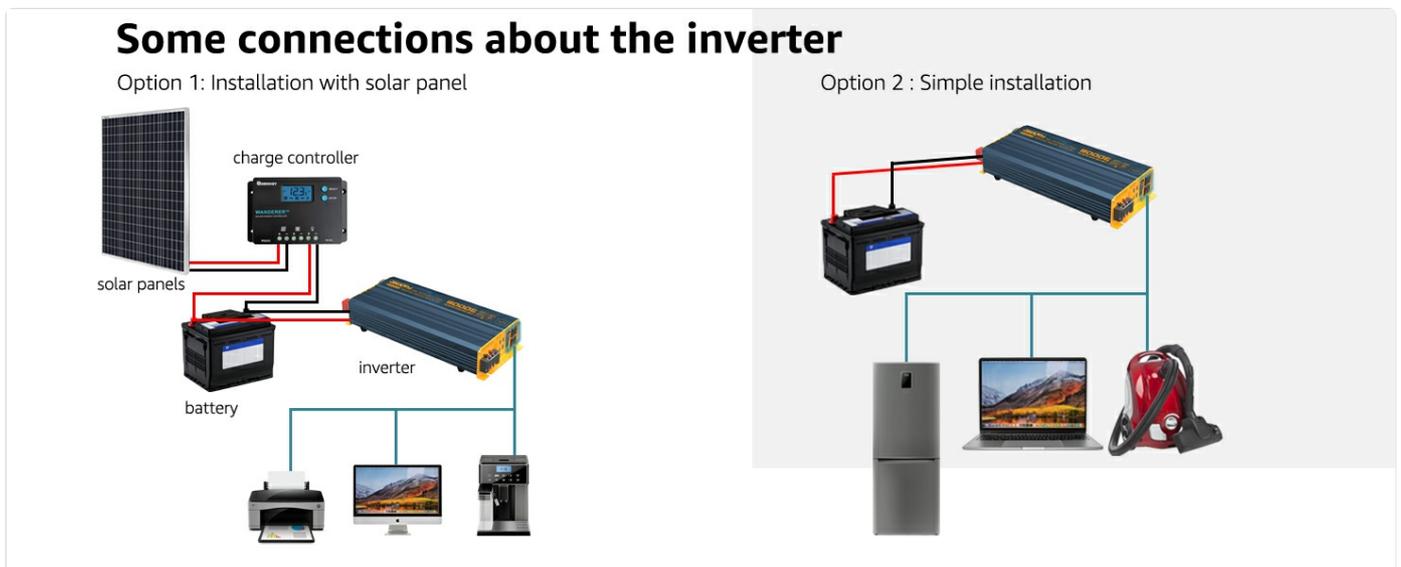


Figure 9: Connection options for the inverter, including a solar panel setup and a simple battery connection.

## OPERATING INSTRUCTIONS

To operate your MWXNE Power Inverter:

1. **Power On:** Press the power switch on the inverter or use the wired/wireless remote control to turn the unit on. The LCD display will illuminate.
2. **Monitor Display:** The intelligent LCD display provides real-time information:
  - Input Voltage (DC)
  - Output Voltage (AC)
  - Output Power (Watts)
  - Frequency (Hz)
  - Battery Level Indicator
  - Working Temperature
  - Protection Status (e.g., Low Voltage, Overload, Over Temperature)
3. **Connect Devices:** Plug your AC devices into the AC outlets and your USB devices into the USB ports. Ensure the total wattage of connected devices does not exceed 3000W.
4. **Power Off:** When finished, turn off the inverter using the power switch or remote control before disconnecting

devices.

# Color LCD Display

Real-time monitoring of inverter status



Low Voltage Protection



Over Temperature Protection



Over Voltage Protection



Overload Protection



Figure 10: The color LCD display provides real-time monitoring of inverter status, including voltage, power, and protection indicators.



Figure 11: Examples of common appliances and their typical wattage, useful for managing inverter load.

# CONTROL & MONITOR WHEREVER YOU GO

## Wired Remote Control



## Wireless Remote Control



Figure 12: The inverter can be controlled and monitored using both the wired remote control (16.2 feet cable) and a wireless remote control for convenience.

## MAINTENANCE

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

- **Cleaning:** Keep the inverter clean and free from dust and debris. Use a dry cloth to wipe the exterior. Do not use

liquid cleaners.

- **Ventilation:** Ensure the cooling fans and vents are not obstructed. The intelligent cooling fan system helps maintain optimal operating temperature.
- **Connections:** Periodically check all electrical connections (battery cables, grounding wire) to ensure they are tight and free from corrosion.
- **Storage:** If storing the inverter for an extended period, ensure it is in a cool, dry place and disconnected from the battery.



Figure 13: The inverter is equipped with an intelligent cooling fan system for quiet and efficient heat dissipation.

## TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Inverter does not turn on.	Loose battery connections, low battery voltage, blown fuse.	Check battery cable connections. Ensure battery voltage is within operating range (24V). Check and replace fuses if necessary.
No AC output.	Overload, overheating, low/high input voltage, short circuit.	Reduce load. Allow inverter to cool down. Check battery voltage. Disconnect all loads and restart.
Alarm sounds.	Overload, low battery, over temperature, input voltage out of range.	Check LCD display for specific error code. Address the indicated issue (e.g., reduce load, charge battery, allow cooling).
USB ports not charging.	Device incompatibility, cable issue, inverter not powered on.	Ensure inverter is on. Try a different USB cable or device.

## SPECIFICATIONS

Feature	Specification
Model	44ba3094-3e21-4068-975c-9b04a1613dc0

Feature	Specification
Rated Power	3000W
Input DC Voltage	24V DC
Output AC Voltage	110V / 120V AC
Output Waveform	Pure Sine Wave
Frequency	60Hz
USB-A Ports	2x 18W, 1x 24W
USB-C (PD) Port	1x 60W
AC Outlets	2
Conversion Efficiency	Up to 94.2%
Product Dimensions	20 x 7.9 x 3.3 inches
Item Weight	16.79 pounds

## WARRANTY AND SUPPORT

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MWXNE offers a **24-month warranty** for this product. If you have any questions or require assistance, please contact our customer service team. We provide 24/7 customer support to ensure your satisfaction.

For support, please refer to the contact information provided in your purchase documentation or visit the official MWXNE website.