

# 500W Pure Sine Wave Power Inverter DC 12V to AC 220-240V

This 500W pure sine wave inverter converts 12V DC input to 220-240V AC output at 50Hz. It features a USB output of DC 5V - 2.1A and a peak power capacity of 1000W.



## ADDITIONAL IMAGES



## Product Overview

### High-Efficiency Pure Sine Wave Power Inverter

This 500W pure sine wave inverter is engineered to convert 12V DC input into a stable 220-240V AC output, providing clean power suitable for sensitive electronics. It features a robust aluminum enclosure for superior heat dissipation and durability, alongside advanced protection mechanisms including short circuit, over-temperature, and voltage regulation. With its intelligent double CPU design and automatic cooling system, it ensures reliable performance and high conversion efficiency for household, office, and industrial applications.

## Technical Specifications

### Power Ratings

**500 W**

Rated Power

**1000 W**

Peak Power

Input Voltage	12 V
Output Voltage	220-240
Output Frequency	50 Hz
USB Output	DC 5V - 2.1A
Cooling System	Intelligent fan activates automatically at 40°C

## Physical Characteristics



Product diagram highlighting the robust aluminum construction, intelligent cooling fan, and interface layout.

<b>Dimensions</b>	205 x 97.5 x 58 mm
<b>Net Weight</b>	1 kg
<b>Housing Material</b>	Aluminum alloy with hard oxidation treatment

## Compliance & Safety

### Protection Features

- Short circuit protection
- Over-temperature protection
- Over-voltage protection
- Under-voltage protection

<b>Certifications</b>	CE, RoHS, FCC
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