

# 1000W Modified Sine Wave Power Inverter

This 1000W power inverter converts DC power to AC power using a modified sine wave. The full power inverter provides strong protections to ensure stable performance.



## Overview

### Reliable Power Conversion

This 1000W modified sine wave power inverter efficiently converts DC power into stable AC electricity, making it ideal for running household appliances and electronics in mobile or remote environments. Designed with advanced microprocessor control, it ensures high reliability and includes robust protection mechanisms against over-voltage, under-voltage, and short circuits. Its intelligent cooling system and compact, durable build make it a dependable solution for both professional and recreational power needs.

## Performance Metrics

### Key Performance Indicators

**1000 W**

Continuous Power

**2000 W**

Peak Power

**85 %**

Efficiency

## Technical Specifications

### Input Voltage Models

Model	Input Voltage	Input Current
THA1000	DC 12V	83A
THB1000	DC 24V	42A
THC1000	DC 48V	22A

### Output Characteristics

- Wave Form: Modified Sine Wave
- Output Voltage: 100V-120V / 210V-240V
- Output Frequency: 50Hz-60Hz
- USB Output: 5V DC (500mA-800mA)

## Safety & Protection

### Protection Mechanisms

Low-Voltage Protection, Over-Voltage Protection, Overload Protection, Over-Temperature Protection, Short-Circuit Protection, Reverse Connection Protection

## Physical Attributes

### Dimensions and Weight

- Unit Size: 265 x 130 x 65 mm
- Net Weight: 1780 g
- Gross Weight: 2270 g

## Certifications

### Compliance

CE • RoHS