

200W Pure Sine Wave DC to AC Power Inverter

This 200W pure sine wave inverter converts 12V DC power to 230V AC power, delivering clean and stable electricity for sensitive electronics. It includes a standard AC outlet and a USB port, suitable for powering laptops, smartphones and other portable devices, with overload, short circuit, and over-temperature safeguards.



Overview

Reliable Power Conversion

This 200W pure sine wave inverter is engineered to convert 12V DC battery power into clean, stable 230V/120V AC power, making it an ideal solution for sensitive electronics. It features a compact, durable aluminum housing with intelligent temperature-controlled fan cooling for optimal performance. Equipped with an LCD digital display, users can easily monitor voltage, current, power, and battery levels in real-time.

Performance Metrics

Continuous Power

200 W

Continuous Power

400 W

Surge Power

89 %

Efficiency

Electrical Specifications

Input Voltage	12V DC
Output Voltage	230VAC / 120VAC
Output Waveform	Pure Sine Wave
Standby Current	1.5 A

Connectivity & Interface

USB Output	5VDC, 2A
AC Output Connections	VDE, BS, SAA, Dual GFCI

Safety & Protections

Protection Mechanisms

- Low DC input voltage alarm (10.5V)
- Low DC input voltage shutdown (10.5V)
- High DC input voltage shutdown (15.3V)
- Short circuit protection
- Overload protection (270W)
- Reverse Polarity protection

Environmental & Build

Operating Temperature	-20 to 40
Housing Material	Aluminum

Certifications

Certifications
EMC • LVD • RoHS