

2000VA Off-Grid Solar Power Inverter

This off-grid solar power inverter converts 12V DC to 220V AC. It provides a reliable AC power source for various applications and features reverse battery protection.



Overview

Reliable Off-Grid Power Conversion

This 2000VA off-grid inverter efficiently converts DC 12V/24V power sources into standard AC 110V/220V/230V electricity. Designed for versatility, it supports a wide range of household resistive appliances including laptops, kitchen electronics, and entertainment systems. With built-in smart cooling and comprehensive protection circuits, it offers a safe and stable power solution for off-grid environments.

Technical Specifications

Rated Capacity

2000 VA
Capacity

Waveform	Modified sine wave
Input Voltage	12V DC, 24V DC
Output Voltage	110V AC, 220V AC, 230V AC

Safety & Protection

Protection Mechanisms

- Reverse battery connection protection
- Thermal protection
- Short circuit protection
- Ground protection
- High and low voltage protection
- Low voltage alarm

Startup Technology	Soft-start circuit for gradual voltage rise and instant overload reduction
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Operational Features

Supported Appliances

- Laptops and mobile devices
- Kitchen appliances (rice cooker, electric iron)
- Entertainment (TV, gaming consoles, DVD players)
- Lighting (fluorescent, emergency lights)
- Fans and desktop computers

Cooling System	Smart load-controlled fan
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