

Pure Sine Wave Solar Inverter with AC Charger

This pure sine wave inverter with AC charger is designed for reliable power conversion and battery management. It features a DC battery input for solar or battery systems and provides a stable AC output.



Overview

Professional Solar Inverter & AC Charger

This advanced pure sine wave solar inverter with integrated AC charger provides reliable power conversion and intelligent battery management for versatile applications. Designed for professional use, it supports multi-stage battery charging and offers flexible working modes including AC mains priority, energy saving, and DC battery priority. With its integrated MPPT controller and robust protection systems, it is an ideal solution for off-grid and hybrid power setups.

Electrical Performance

Key Performance Metrics

2 KW

Rated Power

6 KW

Peak Power

90 %

Transfer Efficiency

Output Characteristics

- Pure Sine Wave
- 220/230/240VAC $\pm 2\%$ Output Voltage
- 5ms Transfer Time

MPPT Solar Controller

MPPT Specifications

Feature	Specification
Max Charge/Discharge	30A / 50A
Max PV Input Voltage	Up to 100V
System Compatibility	12V/24V/48V Automatic recognition

Compliance and Ratings

Supported Battery Types	GEL U.S.A., Gel European, A.G.M. 1, A.G.M. 2, Sealed Lead Acid, Open Lead Acid, Calcium, Deep Sulphation
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Physical and Environment

Physical Specifications

- Dimensions: 460 x 245 x 200 mm
- Net Weight: 22.5 kg
- Operating Temperature: -20 to 75°C
- Humidity: <95%