

5kW Solar Inverter with 60A MPPT Charge Controller

This 5kW solar inverter is designed for reliable off-grid power conversion. Featuring a 60A MPPT (Maximum Power Point Tracking) charge controller, it optimizes solar energy harvesting from photovoltaic panels.



ADDITIONAL IMAGES



Product Overview

High-Efficiency Hybrid Solar Inverter

This 5kW hybrid solar inverter is engineered for reliable off-grid power conversion, featuring an integrated 60A MPPT charge controller that boosts solar energy harvesting efficiency by 15-20% compared to PWM controllers. Designed to handle heavy inductive loads like air conditioners and refrigerators, it provides a stable pure sine wave output. With intelligent battery management and comprehensive protection features, this unit ensures durable, unattended operation for residential and small commercial solar systems.

Key Features

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Pure Sine Wave, MPPT Charge Controller, Hybrid Operation, AC Charger Included, Intelligent Battery Management, Silent Operation

Performance Metrics

Rated Power

5 kW

Rated Power

60 A

MPPT Current

Technical Specifications

Load Adaptability

- Air conditioners
- Refrigerators
- Small pumps
- General household appliances

Safety Protections

Overload Protection • Short Circuit Protection • Overcharge Protection • Discharge Protection • Low Battery Protection • High Voltage Protection

Night Power Consumption

1 W

Backup Compatibility

Compatible with both grid power and generators