

6kW Low Frequency Solar Inverter with 60A MPPT Charge Controller

This 6kW solar inverter features a low-frequency design and a 60A MPPT charge controller. It converts solar energy into usable AC power for off-grid and grid-tied applications.



ADDITIONAL IMAGES



Overview

High-Efficiency Hybrid Solar Solution

This 6kW low-frequency solar inverter provides a robust and reliable power conversion solution for off-grid and hybrid systems. Featuring an integrated 60A MPPT charge controller, it maximizes energy harvest from solar panels while ensuring stable pure sine wave output for sensitive equipment. Designed for durability, the unit includes intelligent battery management and comprehensive protection systems to ensure long-term, unattended operation.

Key Features

Core Functionalities

Pure Sine Wave Output, Integrated 60A MPPT Controller, AC Charger Included, Intelligent Battery Management, Automatic Switch Operation

Performance

Rated Power Output

6 kW
Rated Power

Charge Controller Type

MPPT

MPPT Charging Current

60 A

System Protection

Safety Protections

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

Cooling System

Temperature-controlled fan with silent operation

Compatibility

Backup Power Sources

Grid Power • Generator

Operation

Night Power Consumption

1 W

User Interface

Large LCD display with buzzer alarms