

# 4kW-6kW Low Frequency Solar Inverter

This low-frequency solar inverter combines an inverter, solar charger, and battery charger to offer uninterruptible power support in a portable size. It features a 60A MPPT solar charge controller for maximum power point tracking and efficient energy conversion.



## ADDITIONAL IMAGES



## Product Overview

### High-Efficiency Hybrid Solar Inverter

This low-frequency hybrid solar inverter combines the functions of an inverter, solar charger, and battery charger to provide a reliable, uninterruptible power supply. Featuring a built-in MPPT charge controller, it delivers 15-20% higher efficiency than standard PWM controllers. Designed for durability and versatility, it supports pure sine wave output, making it ideal for heavy loads like air conditioners, refrigerators, and pumps in both off-grid and backup power systems.

## Technical Specifications

### Power Output Range

**4 kW**

Min Power

**6 kW**

Max Power

### Output Waveform

Pure Sine Wave

### Charge Controller

MPPT (Maximum Power Point Tracking)

### MPPT Current

60 A

## Key Features

### Safety Protections

- Overload protection
- Short circuit protection
- Over charge protection
- Discharge protection
- Low battery protection
- High voltage protection

### Operational Capabilities

Auto switch, Auto charging, Unattended operation, Generator compatible, Grid power compatible

### Night Power Consumption

1 W

### Cooling System

Temperature-controlled fan (silent operation)