

48V 5KVA Hybrid Solar Inverter

This high-frequency hybrid solar inverter features a 48V input with a 5KVA/4000W pure sine wave output. It combines a solar inverter, a 60A AC charger, and a 60A MPPT solar controller.



Overview

High-Efficiency Hybrid Solar Solution

This 48V 5KVA hybrid solar inverter integrates a pure sine wave inverter, a 60A AC charger, and a 60A MPPT solar charge controller into a single, compact unit. Designed for versatility, it supports both inductive and electronic loads, making it ideal for appliances like refrigerators, pumps, and computers. With its transformerless design and parallel operation capability, it offers a reliable and scalable power conversion solution for various energy setups.

Core Performance

Key Power Metrics

5 KVA

Capacity

4000 W

Rated Power

60 A

MPPT Controller

60 A

AC Charger

Electrical Specifications

Input & Output Details

Parameter	Specification
System Voltage	48V
Waveform	Pure Sine Wave
AC Input Voltage Range	170V-280V / 90V-280V (Selectable)
Frequency	50Hz/60Hz Auto Sensing

System Capabilities

Advanced Features

- Parallel operation support for up to 6 units
- Cold start functionality for full load startup without AC mains
- Manual configuration for AC and solar input priority
- Compatible with AC mains and generator input
- Transformerless design for compact, reliable conversion

Application Suitability

Supported Load Types

Refrigerators, Motors, Pumps, Compressors, Laser Printers, TVs, Computers, Power Tools