

# Off-Grid Solar Power Inverter

This off-grid solar power inverter converts DC power from solar panels or batteries into AC power for household and industrial use. It features overload, over-temperature, and low-battery protection.



## ADDITIONAL IMAGES



## Product Overview

### Professional Off-Grid Power Solution

This high-performance off-grid solar inverter is engineered with DSP intelligent chip control to provide reliable power for residential, commercial, and industrial applications. It features a pure sine wave output, ensuring compatibility with sensitive electronics, while its robust design handles inductive loads like air conditioners and motors with ease. With integrated UPS functionality, automatic grid-to-battery switching, and customizable charging parameters, this unit offers a comprehensive energy management solution for diverse off-grid environments.

## Performance & Power

### Output Waveform

Pure Sine Wave

### Power Rating

500W - 12KW

### Inductive Load Support

Yes

### Soft Start

Yes

## Charging & Battery Management

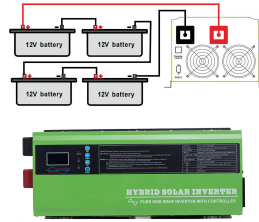


Diagram showing the hybrid solar inverter connected to battery banks and remote control interface.

### Selectable Charging Currents

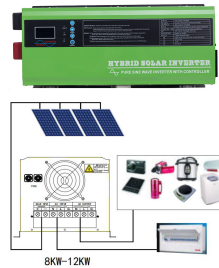
- 20A
- 35A
- 50A
- 70A
- 90A

Charging Stages	4-step progressive
Supported Battery Types	7
Integrated MPPT Controller	30A - 150A (Optional)

## Safety & Protection

Key Protection Features	Overload, Short Circuit, Over Temperature, Over Charging, High/Low Voltage
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## Interface & Control



Detailed view of the inverter interface, including LCD screen, configuration buttons, and rear port connections for solar, AC, and battery inputs.

### Operational Modes

- Grid Power Priority
- Solar Energy Priority
- Energy Saving Mode
- UPS Automatic Switching

User Interface	Personalized LCD Display
Control System	DSP Intelligent Chip