



Off-grid Inverter

Sunshine 3KW
Sunshine 5KW

Description

Sunshine 3/5KW is a multi-function inverter and charger, with functions of inverter, solar charger and battery charger in a single unit to offer uninterruptible power delivery. Through its large LCD display screen and 4 soft buttons, it is easy to configure system parameters such as battery charging current, AC/solar charger priority, and appropriate input voltage etc. based on different applications.

The optional WIFI solution provides easier communication for remote system monitoring and firmware upgrade.

Features:

- ☺ Pure sine wave solar inverter with power output up to 5000 VA in a single unit
- ☺ Smart battery charger design for optimized battery performance
- ☺ Overload/ Over temperature/ short circuit protection
- ☺ Integrated MPPT controller ensures high power transfer efficiency
- ☺ Configurable solar or grid input priority via LCD setting
- ☺ Optional WIFI for remote system monitoring and setting

Technical Specification

Model	Sunshine 3KW	Sunshine 5KW
Battery Type	Lithium or Lead-acid	
Battery Voltage	48VDC	
INVERTER OUTPUT		
Rated Power	3000W/3000VA	5000W/5000VA
Surge Power	6000W/6000VA	10000W/10000VA
AC Voltage Regulation (Battery)	230VAC±5% @50Hz	
Output Voltage Waveform	Pure sine wave	
Peak Efficiency	94%	
Transfer Time	10ms typical, 20ms maximum	
SOLAR CHARGER		
Maximum PV Array Power	3500W	5500W
PV Array MPPT Voltage Range	120 to 450VDC	
Max. PV Array Open Circuit Voltage	495VDC	
Max Charging Current	60A	80A
AC CHARGER		
AC Input Voltage	230VAC	
Charge Current	60A	80A
Frequency Range	50Hz/60Hz (auto sensing)	
MECHANICAL DATA		
Dimensions (D × W × H)	120 x 300 x 420mm	
Net Weight	9kg	10kg
Protect Level	IP20	
Operation Environment		
Ambient temperature range	-10°C to 50°C	
Storage temperature	-15°C to 60°C	
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Safety Certification	CE	
Cooling	Fans (automatic operation)	
Other Features		
Communication connectivity	WIFI	
Compliance		
Warranty	3 years	