

# Single Phase Off-Grid Inverter

# SolarAll 8-11kW

SolarAll 8-11kW single-phase off-grid solar inverter is suitable for nomadic off-grid sites, communication base stations, islands, borders. Equipped with LED display, SolarAll 8-11kw single-phase off-grid solar inverter supports USB/RS232/RS485/Wifi/Dry-contact, with exquisite design and high cost performance.



## Efficient/Higher Revenue

- 200% AC overload (100ms), withstand transient load impact
- Wide voltage range and low startup voltage
- Wide MPPT voltage range to compatible with different types of crystalline silicon modules
- Fast AC bypass charging

## Intelligent/Simple O&M

- Support USB/RS232/RS485/Bluetooth/Dry contact
- Smart battery charger design, optimize battery performance
- Dual output for smart load management
- Remote monitoring and operation via PC or mobile phones

## Flexible/Abundant Configuration

- Multiple charging voltage levels for different batteries
- Multiple operating modes: PV priority/grid priority/battery priority
- Detachable LCD control module with multiple communications
- Support non-linear load
- Parallel operation up to 6 units

## Technical Specifications

Model	SA80-48	SA110-48
<b>Parallel Capability</b>	YES, 6 Units	
<b>Input</b>		
Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)	
Frequency Range	50Hz/60 Hz (Auto Sensing)	
<b>Output</b>		
AC Voltage Regulation (Batt. Mode)	230 VAC ± 5%	
Surge Power	1600VA	22000VA
Efficiency (Peak)	93%	
Transfer Time	10ms (For Personal Computers); 20 ms (For Home Appliances)	
Waveform	Pure Sine Wave	
Optional DC Voltage	12 VDC ± 5%, 100W	N/A
<b>Battery</b>		
Battery Voltage	48 VDC	48 VDC
Floating Charge Voltage	54 VDC	54 VDC
Overcharge Protection	66 VDC	63 VDC
<b>Solar Charger &amp; AC Charger</b>		
Solar Charger Type	MPPT	
Maximum PV Array Power	8000W (4000W x 2)	11000W (5500W x 2)
MPPT Range @ Operating Voltage	90 ~ 450 VDC	
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum PV Input Current	27A x 2 (Max 40A)	
Maximum Solar Charge Current	120 A	
Maximum AC Charge Current	120 A	
Maximum Charge Current	120 A	
<b>Physical</b>		
Dimension, D x W x H (mm)	147.4 x 432.5 x 553.6	
Net Weight (kgs)	18.4	
Communication Interface	USB/RS232/RS485/Wifi/Dry-Contact	
<b>Operating Environment</b>		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	
<b>Standard</b>		
Compliance Safety	CE	

## Highlights



EFFICIENT  
HIGHER REVENUE



FLEXIBLE  
ABUNDANT  
CONFIGURATION



INTELLIGENT  
SIMPLE O&M