

ISolar SM-IV Off-Grid Inverter



- Pure sine wave MPPT solar inverter
- Customizable status LED ring with RGB lights
- Touchable button with 4.3" colored LCD
- Wide DC input range
- Supports USB On-the-Go function
- Data log events stored in the inverter
- Built-in Wi-Fi for mobile monitoring (App is available)
- Reserved communication port for BMS
- Battery independent function
- Parallel operation with up to 9 units

User-programmable RGB lighting for different operation mode



Three lighting effects

- Cycling
Quickly scrolling with a color of your choice in a continuous circular motion
- Wheel
Illuminates with twinkling lights in a color of your choice
- Chasing
Radiates your selected color upward from the bottom of the ring

ISolar SM-IV Off-Grid Inverter Selection Guide

MODEL	ISolar SM IV 3600-48	ISolar SM IV 5600-48
Rated Power	3600VA/3600W	5600VA/5600W
INPUT		
Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)	
Frequency Range	55 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230 VAC \pm 5%	
Overload capacity	5s@ \geq 150% load; 10s@110%~150% load; 100ms @ \geq 200% load	
Efficiency (Peak)	93 %	
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	48 VDC	48 VDC
Floating Charge Voltage	54 VDC	54 VDC
Overcharge Protection	66 VDC	66 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	MPPT
Maximum PV Array Power	5000 W	6000 W
MPPT Range @ Operating Voltage	120 ~ 430 VDC	
Maximum PV Array Open Circuit Voltage	450 VDC	
Maximum Solar Charge Current	100 A	120 A
Maximum AC Charge Current	100 A	120 A
PHYSICAL		
Dimension, D x W x H (mm)	140 x 295 x 468	
Net Weight (kgs)	11.0	12.0
Communication Interface	USB/RS232/RS485/Wifi/Dry-contact	
ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	

Product specifications are subject to change without further notice.