

ISolar SMW Off-Grid Solar Inverter



- Customizable status LED bar with RGB lights
- Built-in wifi for mobile monitoring (Android App is available)
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Replaceable fan design for ease of maintenance
- Battery independent design
- Configurable AC/PV output usage timer and prioritization
- Selectable high power charging current
- Selectable input voltage range for home appliances and personal computers
- Compatible to Utility Mains or generator input
- Built-in anti-dust kit
- Optional DC output for DC fan, LED bulb, router and so on
- Parallel operation up to 6 units only available for 7.2kW

ISolar SMW Off-Grid Specification

MODEL	ISolar-SMW-3.6KW		ISolar-SMW-7.2KW	
Rated Power	3600VA/3600W		7200VA/7200W	
PARALLEL CAPABILITY	NO		Yes, up to 6 units	
INPUT				
Voltage	230 VAC	120 VAC	230 VAC	120 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers)	90-140 VAC (For Personal Computers)	170-280 VAC (For Personal Computers)	90-140 VAC (For Personal Computers)
	90-280 VAC (For Home Appliances)	80-140 VAC (For Home Appliances)	90-280 VAC (For Home Appliances)	80-140 VAC (For Home Appliances)
	50 Hz/60 Hz (Auto sensing)			
Frequency Range	50 Hz/60 Hz (Auto sensing)			
OUTPUT				
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%	120VAC ± 5%	230VAC ± 5%	120VAC ± 5%
Surge Power	7500VA	7500VA	15000VA	15000VA
Efficiency (Peak)	90% ~ 93%			
Transfer Time	15 ms (For Personal Computers) ; 20 ms (For Home Appliances)			
Waveform	Pure sine wave			
No Load Power Consumption	< 45W		< 70W	
DC Voltage (Optional)	12 VDC ± 5%, 100W		12 VDC ± 5%, 100W	
BATTERY				
Battery Voltage	24 VDC		48 VDC	
Floating Charge Voltage	27 VDC		54 VDC	
Overcharge Protection	33 VDC		66 VDC	
SOLAR CHARGER & AC CHARGER				
Solar Charger Type	MPPT			
Maximum PV Array Power	4000 W		8000W (4000W x 2)	
MPPT Range @ Operating Voltage	120 ~ 450 VDC	90 ~ 230 VDC	90 ~ 450 VDC	90 ~ 230 VDC
Maximum PV Array Open Circuit Voltage	500 VDC	250 VDC	500 VDC	250 VDC
Maximum Solar Charge Current	80 A			
Maximum AC Charge Current	80 A			
Maximum Charge Current	80 A			
PHYSICAL				
Dimension, D x W x H (mm)	147.4 x 432.5 x 553.6			
Net Weight (kgs)	14.1		18.4	
Communication Interface	USB/RS232/RS485/Wifi/Dry-contact			
OPERATING ENVIRONMENT				
Humidity	5% to 95% Relative Humidity(Non-condensing)			
Operating Temperature	-10° C to 50° C			
Storage Temperature	-15° C to 60° C			
STANDARD				
Compliance Safety	CE	UL	CE	UL