

Off-Grid inverter With PWM Charger



- Pure sine wave inverter
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Parallel operation with up to 4 units only available for 4KVA/5KVA
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- Optional Remote Control Panel available

Off-Grid Inverter Selection Guide

MODEL	ISolar SP 1K	ISolar SP 2K	ISolar SP 3K	ISolar SP 4K	ISolar SP 5K
Rated Power	1000VA / 800W	2000VA/1600W	3000VA / 2400W	4000VA / 3200W	5000VA / 4000W
INPUT					
Voltage	230 VAC				
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)				
Frequency Range	50 Hz/60 Hz (Auto sensing)				
OUTPUT					
AC Voltage Regulation (Batt. Mode)	230VAC ± 5 %				
Surge Power	2000VA	4000VA	6000VA	8000VA	10000VA
Efficiency (Peak)	90%	93%			
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)				
Waveform	Pure sine wave				
BATTERY					
Battery Voltage	12 VDC	24 VDC		48 VDC	
Floating Charge Voltage	13.5 VDC	27 VDC		54 VDC	
Overcharge Protection	15 VDC	30 VDC		60 VDC	
SOLAR CHARGER & AC CHARGER					
Maximum PV Array Open Circuit Voltage	40VDC	60VDC		105VDC	
Standby Power Consumption	1 W	2 W		2W	
Maximum Solar Charge Current	50A	50A		50 A	
Maximum AC Charge Current	10 A or 20 A	20 A or 30 A		60 A	
Maximum Charge Current	50 A			110 A	
PHYSICAL					
Dimension, D x W x H (mm)	95 x 240 x 316	100 x 272 x 355		120 x 295 x 468	
Net Weight (kgs)	5.0	6.4	6.9	9.8	9.8
OPERATING ENVIRONMENT					
Humidity	5% to 95% Relative Humidity(Non-condensing)				
Operating Temperature	0°C - 55°C				
Storage Temperature	-15°C - 60°C				

*Typical transfer time for parallel operation is 30ms.
Product specifications are subject to change without further notice