



1.2KW/2.5KW Off-Grid Solar Inverter

Features

- Customizable status LED ring with RGB lights
- Touchable button with 4.3" colored LCD
- Output power factor 1.0
- Built-in MPPT solar charger
- Compatible to mains voltage or generator power
- Selectable input voltage range for home appliances and personal computers
- Wide DC input range
- Configurable AC/Solar input priority via LCD setting
- Built-in anti-dust kit
- Auto restart while AC is recovering



SPECIFICATIONS

MODEL	1.2KW	2.5KW
Rated Power	1200VA/1200W	2500VA/2500W
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 (OFF-GRID OPERATION)		
AC Voltage Regulation (Batt. Mode)	230 VAC +/- 5%	
Surge Power	2400VA	5000VA
Efficiency (Peak)	93 %	
Transfer Time	15 ms (For Personal Computers) 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	12 VDC	24 VDC
Floating Charge Voltage	13.5 VDC	27 VDC
Overcharge Protection	16 VDC	31 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	MPPT
Maximum PV Array Power	700 W	1440 W
MPPT Range @ Operating Voltage	15 - 80 VDC	30 - 80 VDC
Maximum PV Array Open Circuit Voltage	102 VDC	102 VDC
Maximum Solar Charge Current	50 A	65 A
Maximum AC Charge Current	20 A	20 A
Maximum Charge Current	60 A	65 A
PHYSICAL		
Dimension, D x W x H (mm)	101 x 225 x 334	93 x 290 x 355
Net Weight (kgs)	5.4	7.2
Communication Interface	USB/RS232	
ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	

All information contained in this document is subject to change without notice.