SUN5-1KVA MPPT Off-Grid HYBRID INVERTER

- **Pure sine wave solar inverter**
- **Output power factor 1**
- **Selectable high power charging current**
- **Wide DC input range**
- **Selectable input voltage range for home appliances&comput**
- **Configurable AC/Solar input priority via LCD setting**
- **Compatible to AC mains or generator power**
- **Auto restart while AC is recovering**
- **Overload and short circuit protection**
- **Battery equalization for optimized battery performance**



MODEL	SUN5 1K MPPT
RATED POWER	1000VA/1000W
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
Efficiency (Peak)	90%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure sine wave
BATTERY	
Battery Voltage	12 VDC
Floating Charge Voltage	13.5 VDC
Overcharge Protection	16 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger type	MPPT
Maximum PV Array Open Circuit Voltage	102 VDC
Maximum PV Array Power	500 W
MPP Range @ Operating Voltage	15 ~ 80 VDC
Maximum Solar Charge Current	40 A
Maximum AC Charge Current	20 A
Maximum Charge Current	60 A
PHYSICAL	
Dimension, D x W x H (mm)	88 x 225 x 320
Net Weight (kgs)	4.4
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