



Hybrid Solar Power Inverter

FEATURES

Equipped with PWM solar charge controller to maximize and regulate DC power from the solar array for charging the battery bank.
Transformerless design provides reliable power conversion in compact size
Besides, it's worry-free to start up motor-type loads such as refrigerators, motors, pumps, compressors and laser printers as well as electronic loads like TVs, Computers, power tool and battery chargers



Model

Rated Power	1000VA 800W	2000VA 1600W	3000VA 2400W	3000VA 2400W	4000VA 3200W	5000VA 4000W
Parallel Capability	No	No	No	No	yes, 6 units	yes, 6 units

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	6000VA	8000VA	10000VA
Efficiency (Line Mode)	> 93% (Rated R load, battery fully charged)					
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)					
Waveform	Pure Sine Wave					

BATTERY & AC CHARGER

Battery Voltage	12V DC	24V DC	24V DC	48V DC	48V DC	48V DC
Bulk Charge Voltage						
Flooded Battery	12 V	24 V		48 V		
AGM/GEL Battery	13.5 V	27 V		54 V		
Floating charging voltage	15.5 V	31 V		60 V		

SOLAR CHARGER & AC CHARGER

Maximum PV Array Power	600W	1200W	2400W
PWM Range @ Operating Voltage	15V- 18V	30V-36V	60V - 72V
Maximum PV Array Open Circuit Voltage	40V	80V	105V
Maximum Solar Charge Current	50A		
Maximum AC charge Current	20A	30A	60A
Maximum Charge Current	50A		110A
Maximum Efficiency	90%		
Standby Power Consumption	2W		

PHYSICAL

Dimension, DxWxH(mm)	95*240*316	100*272*355			120*295*468	
Net Weight(kgs)	5	6.4	6.9		9.8	

OPERATING ENVIRONMENT

Humidity	5% to 95% Relative Humidity(Non-condensing)					
Operating Temperature	0°C to 55°C					
Storage Temperature	- 15°C to 60°C					

* There are charging current selection only available for 230VAC system.
Product specifications are subject to change without further notice.