

SPS Series Hybrid Solar Inverter



- Pure sine wave, high frequency technology, wall mounted design, light weighted and easy to operate
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Solar charger and AC charger built inside, compatible to grid power or generator power
- Auto restart while AC is recovering, auto charge and switch, unattended operation
- Smart battery charger and management for optimized battery performance
- High Efficient DC-To-AC Conversion. Minimizing Energy Loss and self power consumption
- All around protection functions: Overload/short circuit protection/high voltage/low battery voltage/high temperature, etc.

PMW Solar Inverter

Technical Parameter

MODEL	SPS-1KW		SPS-2KW		SPS-3KW	
The rated power	1KW		2KW		3KW	
INPUT						
Voltage	230 VAC					
Selectable Voltage	170-280VAC (For Personal Computers), 90-280VAC (For Home Appliances)					
RangeFrequency Range	50Hz/60Hz (Auto sensing)					
OUTPUT						
AC Voltage Regulation (Batt. Model)	230VAC ± 5%					
Surge Power	2000VA		4000VA		6000VA	
Efficiency(Peak)	90%		93%			
Transfer Time	10ms (For Personal Computers), 20ms (For Home Appliances)					
Wave form	Pure sine wave					
BATTERY						
Battery voltage	12VDC		24VDC			
Floating Charge Voltage	13.5VDC		27VDC			
Overcharge Protection	16VDC		32VDC			
SOLAR CHARGER&AC CHARGER						
Maximum PV Array Power	420W		1200W			
PWM Range Operation Vol.	15-33VDC		18-80VDC			
Maximum PV Array Open Circuit Vol.	50VDC		80VDC			
Standby Power Consumption	15W		28W			
Maximum Solar Charge Current	PWM 50A					
Maximum AC Charge Current	20A		25A			
Maximum solar Charge Current	50A		70A			
Maximum Efficiency	98%					
BEST PANEL CONFIGUTION						
Max. generated from solar charger	1000VA/1000W		2000VA/2000W			
Best Panel configutation	1000VA/1000W		2000VA/2000W			
PHYSICAL						
Dimension, D*W*H(mm)	336*228*104mm				363*297*107mm	
Net Weight (kgs)	4.48		4.96		6.8	
OPERATING ENVIRONMENT						
Humidity	5% to 95% Relative Humidity (Non-condensing)					
Operation Temperature	0°C-50°C					

* Product specifications are subject to change without further notice

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