

SPS3118C Series

Solar Power Inverter System

1-5kVA



Product Snapshot

Model: 1-5kVA
Nominal Voltage : 220/230VAC
Nominal Frequency: 50Hz/60Hz
Output Power Factor: 0.8



Key Features:

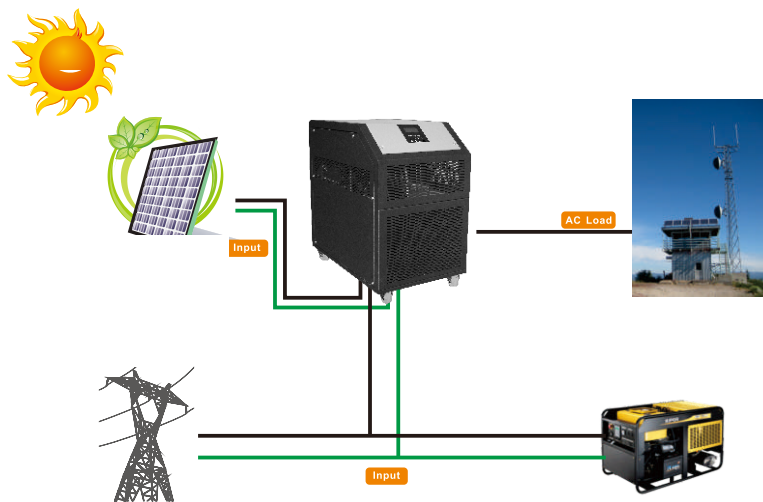
- **Built In Battery**
- Pure sine wave inverter
- Cold start function
- Auto restart while AC is recovering
- Overload and short circuit protection
- Optional remote panel available
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Smart battery charger design for optimized battery performance
- **Parallel operation** with up to 6 units only available for 4kVA/5kVA
- Selectable input voltage range for home appliances and personal computers



LCD Display



GPRS Remote Monitor
Optional



Built-in Transformer

Protection Degree IP55

Built-in MPPT

Built-in Battery

SPS3118C2 Series

Solar Power Inverter Technical Specification Built-in MPPT Solar Controller

MODEL	C2 1K-2425	C2 2K-2425	C2 3K-2425	C2 4K-4860	C2 5K-4860
Rated Power	1kVA/800W	2kVA/1600W	3kVA/2400W	4kVA/3200W	5kVA/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 \pm 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	24 VDC		48 VDC		
Floating Charge Voltage	27 VDC		54 VDC		
Overcharge Protection	31 VDC		60 VDC		
SOLAR CHARGER & AC CHARGER					
Maximum PV Array Power	600W		600W	3000W	4000W
MPPT Range @ Operating Voltage	30 ~ 66VDC		30 ~ 66VDC	60 ~ 115VDC	
Maximum PV Array Open Circuit Voltage	75VDC		75VDC	145VDC	
Maximum Solar Charge Current	25A		25A	60A	60A
Maximum AC Charge Current	20A	30A	30A	60A	
Maximum Charge Current	25A	30A	30A	120A	120A
	AC charger and solar charger can't work at the same time.				
Maximum Efficiency	98%				
Standby Power Consumption	2 W				
OPERATING ENVIRONMENT					
Humidity	5% to 95% Relative Humidity(Non-condensing)				
Operating Temperature	0°C to 55°C				
Storage Temperature	-15°C to 60°C				

STANDARD: EN 62109-1:2010 EN 62109-2:2011 EN 62040-1:2008+A1:2013 IEC 62109-1:2010 IEC 62109-2:2011

Note: Product specifications are subject to change without further notice.