

SPL Solar Inverter



PC



TV



Electric fan



FM Radio



Solar Power

Introduction:

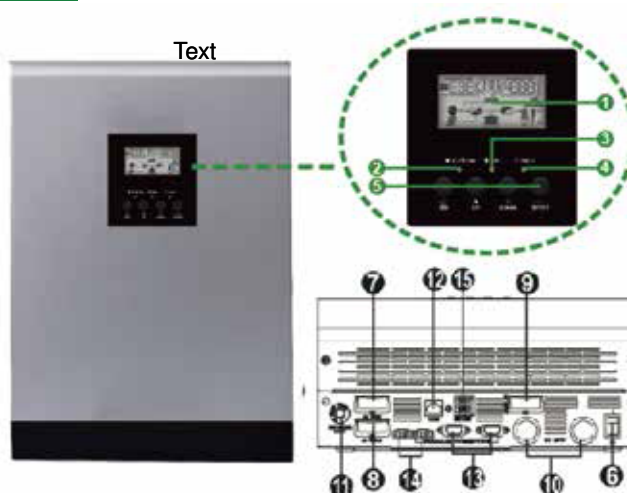
Equipped with PWM solar charge controller to maximize and regulate DC power from the solar array for the charging the battery bank. Transformer-less design provides reliable power conversion in compact size and with high efficiency. With aluminum housing, Integrated interface system, It's light and handy, making installation easier. It's the ideal inverters for small PV plants, or individually for small houses, both indoors and outdoors.

Introduction:



LCD Display Information

1. LCD display
2. Status indicator
3. Charging indicator
4. Fault indicator
5. Function buttons
6. power on/off switch
7. AC input
8. AC output
9. PV input
10. Battery input
11. Circuit breaker
12. RS232 communication port
13. Parallel communication cable(only for parallel model)
14. Current sharing cable(only for parallel model)
15. Dry contact
16. USB communication port



SPL Inverter Selection Guide

MODEL	ISolar SPL 1K	ISolar SPL 2K	ISolar SPL 3K	ISolar SPL 4K	ISolar SPL 5K
Rated Power	1000VA/800W	2000VA/1600W	3000VA/2400W	4000VA/3200W	5000VA/4000W
INPUT					
Voltage	230VAC				
Selectable Voltage Range	170-280 VAC(For Persongl Computers) 90-280 VAC(For Home Appliances)				
Frequency Range	50 Hz/60 Hz (Auto sensig)				
OUTPUT					
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%				
Sutge 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 & AC CHARGER					
Battery Voltage	12 VDC	24 VDC		48 VDC	
Floating Charge Voltage	13.5 VDC	27 VDC		54 VDC	
Overcharge Protection	15VDC	30 VDC		60 VDC	
Maximum Charge Current	10A or 20A	20A or 30A			
SOLAR CHARGER(OPTION)					
Charging Current	50A			110VA	
Maximum PV Array Open Circuit Voltage	30 VDC	60 VDC		90 VDC	
Standby Power Consumption	1 W	2 W			
PHYSICAL					
Dimension,D×W×H (mm)	95×240×316	100×272×355		120×295×468	
Net Weight(kgs)	5	6.4	6.9	9.8	
OPERAFTING ENVIRONMENT					
Humidity	5% to 95% Relative Humidity(Non-condensing)				
Operatin Temperature	0°C-55°C				
Storage Temperature	15°C- 60°C				