

PSS Series

Feature

- 1> Elegant and Stylish, Floor installation.
- 2> Built-in MPPT solar controller
- 3> The priority level of photovoltaic, utility power and battery is selectable.
- 4> wide range of selectable mains input voltage.
- 5> protection for over-discharge, overload, over-temperature, short-circuit protection etc.
- 6> Supports RS485/CAN/SNMP/Wifi/Bluetooth monitoring function.
- 7> Extremely long life cycle, more than 6000 times



1. LCD Display
2. Status Indicators
3. Setting Button
4. USB Interface
5. PV In
6. External Battery Connectors
7. AC Output
8. AC Input
9. Input Circuit Breaker
10. Power Switch
11. RS232 (Expandable WIFI and Bluetooth Functions)
12. Parallel Communication Port(Only for Parallel Model)



Specifications

Model No	PSS-5KW
AC Input	
Rated Input Voltage	208/220/230/240 VAC
Input Voltage Range	170~280VAC(For PC);90~280VAC(For Home Appliances)
Frequency Range	50/60Hz(Auto Sensing)
AC Charging Current Range	80A
Max. Input Current	90A
PV Input	
Solar Charging Type	MPPT
PV Max. Input Power	5.5kW
MPPT Tracking Voltage Range	120~430 VDC
Max. PV Input Voltage	450 VDC
PV Charging Current Range	0~80A
Max. Charging Current	80A
Output	
Rated Output Power	5kW
Rated Output Voltage	(220V~240V) $\pm$ 5%
Output Frequency	50/60Hz $\pm$ 0.1%
Max. Output Current	22.7A
Peak Power	10000VA
Overload Capacity (Battery Mode)	1min@102%~110% Load ; 10s@110%~130%Load; 3s@130%~150% Load ; 200ms@>150% Load
Peak Efficiency	>94% battery mode >99% line mode
Transfer Time	10ms
Battery	
Battery Energy	5.12kWh
Cell technology	LiFePO4
DOD	80%
Product General Data	
Designed Life-span cycle	6000
Communication Interface	RS232, RS485, CAN
Display	LED Screen
Parallel Interface	N/A
Operation Environment Temperature	0~40C
Storage Environment Temperature	-15~60 C
Environment Humidity	20%~95%
Operation Altitude	<3000m
Cooling Mode	Active Cooling
Noise Emission	<50db