

# Solar Generator And Energy Storage System

RPS series

3.6KW+8KWh



## Main Features

- 1> Elegant and stylish, floor installation.
- 2> Hybrid inverter, with built-in batteries and MPPT solar controller.
- 3> Selectable priority between solar,batteries or mains to feed the output.
- 4> Wide range of selectable mains input voltage.
- 5> Protection for over-discharge, overload, over-temperature, short-circuit protection etc.
- 6> Supports RS485/SNMP/Wifi/Bluetooth monitoring function.
- 7> Built in lithium battery with extremely long life 8000 cycles.
- 8> Stacked design facilitates inverter maintenance and battery capacity expansion.

MODEL	RPS 3.6K+RPS 25314	
Rated Capacity	3600W/8.04kWh	
AC Input		
Rated input voltage	208/220/230/240VAC	
Voltage Range	170~264VAC(For ups mode); 90~280VAC(For Home Appliances)	
Frequency Range	40~70Hz(Auto sensing)	
AC Charging Current Range	2~100A	
Max. Input Current	20A	
PV Input		
Solar Charging Type	MPPT	
PV Max. Input Power	4000W	
MPPT Tracking Voltage Range	40~450VDC	
Max. PV Input Voltage	500 VDC	
PV Charging Current Range	2~100A	
Max. Charging Current	100A	
Output		
Rated Output Power	3.6kw	
Rated Output Voltage	(220V~240V) ± 5%	
Output frequency	50/60Hz ± 0.1%	
Peak Power	7200W	
Overload Capacity(Battery Mode)	1min@102%~110% Load 3s@130%~150% Load	10s@110%~130%Load 200ms@>150% Load
Peak Efficiency (Battery Mode)	>94% battery mode	>99% line mode
Transfer Time	10ms	
Dual output function	/	
Max.main output power	/	
Max.second output power	/	
Battery		
Battery Energy	8.04kWh	
Battery Voltage	25.6Vdc	
Cell Technology	LiFePO4	
Fully charging voltage (FC)	29.2Vdc	
Fully discharging voltage (FC)	20.8Vdc	
DOD	80%	
Product General Data		
Designed Life-span cycle	8000	
Communication Interface	RS232(Optional), RS485,SNMP/Wifi/Bluetooth(Optional)	
Display	LED & LCD	
Parallel Interface	RS485	
Operation Environment Temperature	0~40 ℃	
Storage Environment Temperature	-15~60 ℃	
Environment Humidity	20%~95%	
Operation Altitude	<3000m	
Cooling Mode	Active Cooling	
Noise Emission	<50db	
Physical		
Product Dimensions (mm)	W566.2*H820*D303	
Product Weight(kg)	118	

Product specifications are subject to change without notice.