

# Solar Generator And Energy Storage System

RPS series

1.2KW+4KWh



## 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> Built in lithium battery with extremely long life 8000 cycles.
- 7> Stacked design facilitates inverter maintenance and battery capacity expansion.

MODEL	RPS 1.2K+4
Rated Capacity	1200W/4.02kWh
<b>AC Input</b>	
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	2~60A
Max. Input Current	10A
<b>PV Input</b>	
Solar Charging Type	MPPT
PV Max. Input Power	1000W
MPPT Tracking Voltage Range	20~100 VDC
Max. PV Input Voltage	125VDC
PV Maximum Input Current	14A
PV Charging Current Range	2~60A
Max. Charging Current	120A
<b>Output</b>	
Rated Output Power	1.2kw
Rated Output Voltage	(220V~240V)± 5%
Output frequency	50/60Hz ± 0.1%
Peak Power	2400W
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	/
<b>Battery</b>	
Battery Energy	4.02kWh
Battery Voltage	12.8Vdc
Cell Technology	LiFePO4
Fully charging voltage (FC)	14.6Vdc
Fully discharging voltage (FC)	10.4Vdc
DOD	80%
<b>Product General Data</b>	
Designed Life-span cycle	8000
Display	LED & LCD
Operation Environment Temperature	0~40 °C
Storage Environment Temperature	-15~60 °C
Environment Humidity	20%~95%
Operation Altitude	<3000m
Cooling Mode	Active Cooling
Noise Emission	<50db
<b>Physical</b>	
Product Dimensions (mm)	W190*H193*D155
Product Weight(kg)	38

Product specifications are subject to change without notice.