

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		
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	2~60A		
Max. Input Current	10A		
PV Input			
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		
Output			
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	/		
Battery			
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%		
Product General Data			
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		
Physical			
Product Dimensions (mm)	W190*H193*D155		
Product Weight(kg)	38		

Product specifications are subject to change without notice.