

# Solar Generator And Energy Storage System

RPS series

11KW+16KWh



Two RPS ALL IN ONE  
(11KW+16KWH) and BMF  
(16KWH) lithium battery  
are connected in parallel.

## 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/CAN/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 11K+RPS 51314
Rated Capacity	11000W/16kWh
<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	2~120A
Max. Input Current	50A
<b>PV Input</b>	
Solar Charging Type	MPPT
PV Max. Input Power	5500W*2
MPPT Tracking Voltage Range	60~500 VDC
Max. PV Input Voltage	500 VDC
PV Charging Current Range	2~160A
Max. Charging Current	160A
<b>Output</b>	
Rated Output Power	11kW
Rated Output Voltage	(220V~240V)±5%
Output frequency	50/60Hz ± 0.1%
Peak Power	11000W*2
Overload Capacity(Battery Mode)	5.5s@≥140% load 10.5s@100%~140% Load
Peak Efficiency (Battery Mode)	>94% battery mode >99% line mode
Transfer Time	10ms
Dual output function	YES
Max.main output power	11.0kVA/11.0kW
Max.second output power	5.5kVA/5.5kW
<b>Battery</b>	
Battery Energy	16.08kWh
Battery Voltage	51.2Vdc
Cell Technology	LiFePO4
Fully charging voltage (FC)	58.4 Vdc
Fully discharging voltage (FC)	41.6 Vdc
DOD	80%
<b>Product General Data</b>	
Designed Life-span cycle	8000
Communication Interface	RS232(Optional), RS485, CAN(Standard),SNMP/Wifi/Bluetooth(Optional)
Display	LED & LCD
Parallel Interface	RS485 & CAN
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)	W550*H1273.75*D361
Product Weight(kg)	156

Product specifications are subject to change without notice.