

SOLAR POWER SYSTEM

SP SERIES



SOLAR POWER SYSTEM SP

1000W~2000W



FEATURES

- External battery design, can be loaded under the battery mode for a long time
- Starting Up Automatically when mains input
- Two working models
- High current charging function
- Wide AC input range
- Shutdown charging function
- High efficiency design for optimized battery performance
- Compatible generator
- Monitor the working status through the display
- Automatically adjust the mains boost, buck, and stabilize the voltage output
- lithium battery optional
- 110V/120V Output Available

APPLICATION



Outdoor reconnaissance



Base station/base



Farming/animal husbandry



Fisheries

SP SERIES

PARAMETERS

Model	SP1012-100LP	SP1012-100P	SP1524-100LM	SP2024-100LM	SP1524-100LM	SP2024-170LM
BATTERY						
Battery type	Lead Acid Battery		Lithium Battery			
Battery Voltage	12.8V	12V	25.6V		24V	
Optional In-built battery specification	100AH/12.8V or 170AH/12.8V	100AH/12V or 120AH/12V	100AH/12.8V*2 or 170AH/12.8V*2		100AH/12V*2 or 170AH/12V*2	
INVERTER						
Rated Power	1000W	1000W	1500W	2000W	1500W	2000W
Output Voltage	220VAC±10%(110VAC±10%)					
Output Frequency	50HZ/60HZ±1%					
Output Waveform	Pure Sine Wave					
Charge by a mains supply						
Rated Voltage	220VAC±10%(110VAC±10%)					
AC Charge Current	20A	12A(10-20A)	25A	30A	12A(10-18A)	
Solar Input						
Maximum Photovoltaic Voltage(VDC)	≤50V	≤50V	≤145VDC		≤145VDC	
Charge Voltage(VDC)	14.6V	13.7V	29.2V		27.4V	
PV Rated Charge Current(A)	PWM 30A	PWM 30A	MPPT 30A		MPPT 30A	
Maximum Power(Wp)	400Wp	360Wp	800Wp		800Wp	
DC Output						
5VDC USB Output Port	2units/MAX 2A					
12VDC Output Port	2 DC Ports (MAX 2A)					
Environmental Parameters						
Ambient Temperature for operation	0-40°C					
Temperature for storage	-25-55°C					
Operation/Storage Conditions	0-90%(no condensation)					