

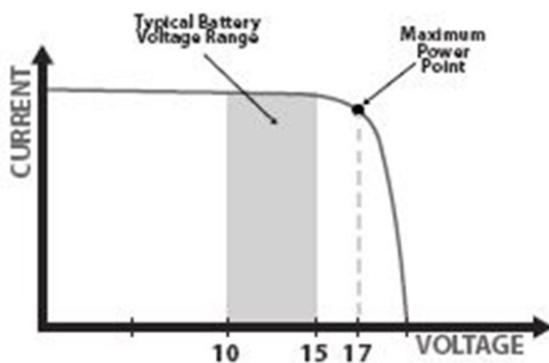


### Features

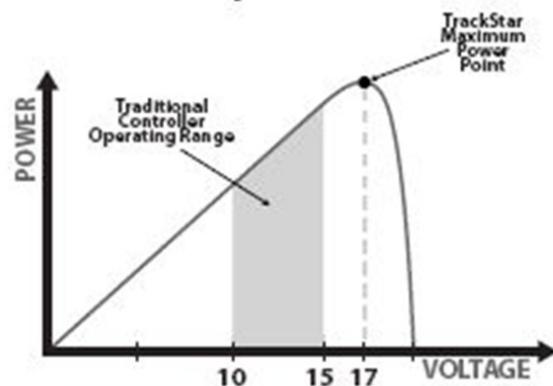
- Professional solution for Off-Grid solar system
- Auto switch 5 FUN:
  - DC to AC , AC bypass, AC charger, solar charger and UPS
- MPPT Solar Charger. Max solar panel power: 1000W
- Pure sine wave output, for various load
- Low power saving mode to conserve energy
- Solar power mode and Grid power mode, can be free choose
- Built-in transfer switch and AC/DC circuit breaker
- Advanced microprocessor control design
- Input polarity/UVP/OVP/OSP/OLP/OTP
- Remote control function RJ11 (optional)

### Solar charger: MPPT VS PWM

12 Volt Module  
Current vs. Voltage



12 Volt Module  
Output Power



\*2 FOR 24VDC,\*4 FOR 48VDC

\*Note: The Specifications are subject to changes without notice.

## Specifications

AC OUTPUT	Models	SPS1000-112	SPS1000-124		SPS1000-212	SPS1000-224	
	Output Power	1000W					
	Surge Power	3000W(≤20S)					
	Output Frequency	50/60Hz ±0.5%					
	Output Waveform	True sine wave (THD<5%)					
	P·F Allowed	COSθ-90°~COSθ+90°					
	Efficiency	85%	86%		85%	87%	
DC INPUT	Input Voltage	12VDC	24VDC		12VDC	24VDC	
	Voltage Range	10.0~16.0VDC	20.0~32.0VDC		10.0~16.0VDC	20.0~32.0VDC	
	Fault Indication	LED Red and Buzzer Alarm					
	Remote Control	RJ11 (Optional)					
AC Charger	Input Voltage	90~135VAC/155~265VAC					
	Output Voltage	Fast(14.0~15.1V), Float(13.3-13.8V).(*2 for 24vdc,*4 for 48vdc)					
	Over charge Protection	15.7V for 12V(*2 for 24vdc,*4 for 48vdc)					
	Charge Current	35A	20A		35A	20A	
MPPT Solar Charger	Solar panel Max	500W	1000W		500W	1000W	
	Rated Voltage	12VDC	24VDC		12VDC	24VDC	
	Rated Charge Current	40A					
	Input PV Voltage	100VDC (MAX)					
	Solar INV.Mode	Low battery trip(12V)			High battery trip(12v)	(*2 for 24vdc,*4 for 48vdc)	
			11.0		14.0		Rotated to a" 7" position
			10.5		13.5		Rotated to a" 8" position
			10.0		13.0		Rotated to a" 9" position
Temp. compensation	-13.2mV/°C(*2 for 24vdc,*4 for 48vdc)						
Bypass	Transfer Time	<8 ms					
	Input Vot. waveform	Utility AC or Generator (Sine wave)					
	Max bypass current	30A(35A Alarm)					
Others	Working Humidity	20-90%RH					
	Safety and EMI	UL458			LVD (EN60950)		
	Working temp.	-20~50°C					
	Storage Temp	-30~70°C					
	Cooling	Temperature controlled cooling fan					
	Size (mm)	455*520*255					
	Weight (kg)	27					

\*Note: The Specifications are subject to changes without notice.