

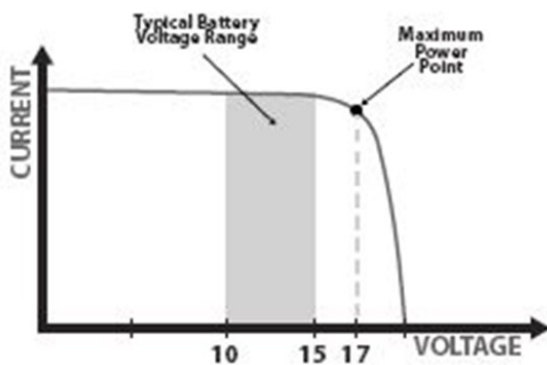


Features

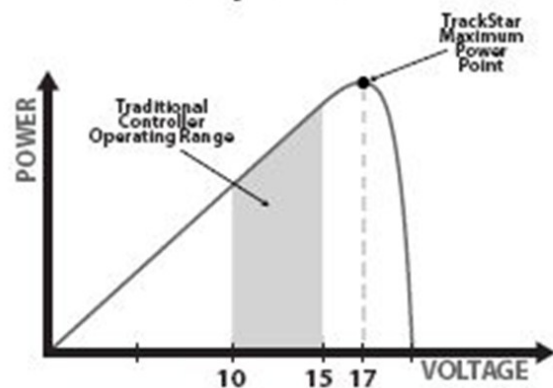
- Professional solution for Off-Grid solar system
- Auto switch 5 FUN:
DC to AC , AC bypass, AC charger, solar charger and UPS
- MPPT Solar Charger. Max solar panel power: 1000W
- Pure sine wave output, for various load
- Low power saving mode to conserve energy
- Solar power mode and Grid power mode, 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	RJ45(Optional)								
AC Charger	Input Voltage	90~135VAC/164~243VAC								
	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	Rated Charge Current	30A			45A			60A		
	Rated Voltage (VDC)	12	24	48	12	24	48	12	24	48
	Solar panel Max (W)	390	780	1560	585	1170	2340	780	1560	3120
	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.