

Hybrid Solar Inverter

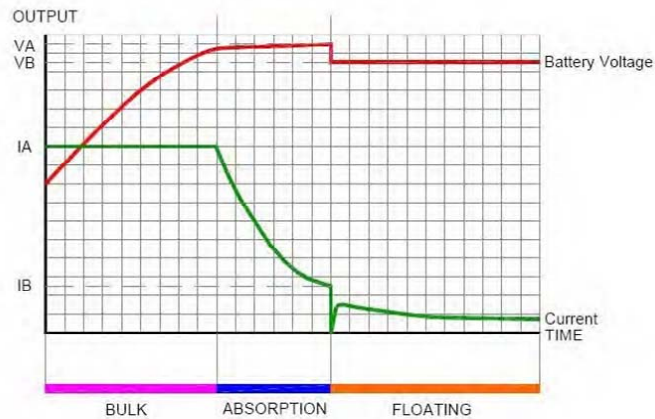


Features

- Professional solution for Off-Grid solar system
- Inverter/AC charger/Transfer Switch/PWM Solar Charger
- 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
- SPS combined Solar controller 12V/24V/48V 40A and 60A
- Built-in transfer switch and AC/DC circuit breaker
- Advanced microprocessor control design
- Input polarity/UVP/OVP/OSP/OLP/OTP
- Remote control function RJ11 and RS232 (optional)
- MPPT Solar Charger (optional)

3-stage intelligent battery charging

CHARGING CURVE



IU Charging Characteristic

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

Specifications

Models	SPS-500	SPS-1000	SPS-1500	SPS-2000	SPS-3000	SPS-4000	SPS-5000	SPS-6000	SPS-7000	
AC OUTPUT	Output Power(≤20S)	500	1000	1500	2000	3000	4000	5000	6000	7000
	Surge Power	1500	3000	4500	6000	9000	12000	15000	18000	21000
	Output Frequency	50/60Hz ±0.5%								
	Output Waveform	True sine wave (THD<5%)								
	P·F Allowed	COSθ-90°~COSθ+90°								
	Efficiency	85%/86%/87%/88%/90%								
DC INPUT	Input Voltage	12/24/48VDC								
	Voltage Range	10.0~16.0VDC/ 20.0~32.0VDC/ 40.0~64.0VDC								
	Fault Indication	LED Red and Buzzer Alarm								
	Remote Control	RS-232/RJ11(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	70A/ 40A/ 25A								
Solar Charger	Rated Voltage	12V/24V/48VDC								
	Rated charge current	40A/60A								
	DC Load Current	15A (MAX)								
	Input PV Voltage	15-55VDC/60~96VDC								
	Temp. compensation	-13.2mV/℃(*2 for 24vdc,*4 for 48vdc)								
Bypass	Transfer Time	< 8 ms								
	Input Vol. 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 ℃								
	Storage Temp	-30~70 ℃								
	Cooling	Temperature controlled cooling fan								
	Size (mm)	486*400*181								
	Weight (kg)	18	20.8	22.8	24.5	29	40	43	47	55
Application	Vehicle, Yacht, Solar power systems, Portable equipments, Power tools, Home and Office appliances									

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