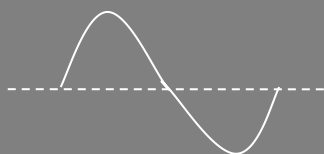


SPS Series

SOLAR INVERTER CHARGER



Professional Solar System Solution



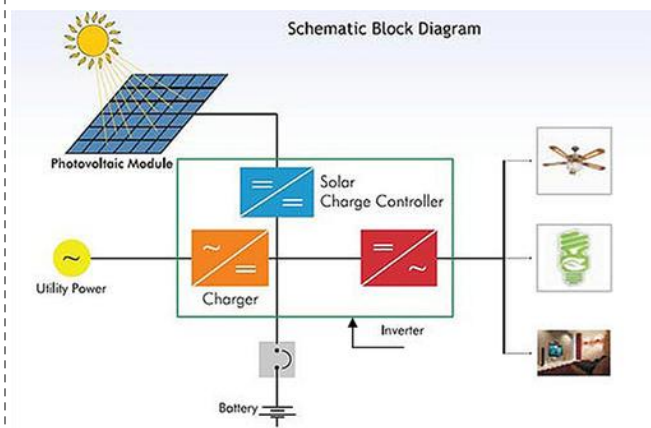
The SPS series solar inverter charger is combined with inverter, solar charger and battery charger. It is professional solar system solution for off grid solar system. Batteries charged quickly and safety by the input solar power, utility power or generator. Automatic protect function ensures the battery banks from being over discharged/charged. With auto transfer switch SPS solar inverter charger guarantees the interrupted power supply. With the pure sine wave output, no matter coffee machine, microwave, TV, refrigerator, air conditioner or other equipments, SPS series gives perfect performance of running loads from household appliances to office devices.

Product Features

- Solar inverter combined with solar charger & battery charger
- Power range: 1000W to 6000W
- Function: DC to AC, AC charger, AC bypass, Solar charger, UPS
- 40A to 120A solar charger is built in SPS
- Max PV input up to 5760W
- Multiple power supply is available: solar energy, battery, grid power, generator
- Big LCD display
- CE RHOS FCC PSE approved

Protection

- Input AC over Voltage and low voltage protection
- Battery DC over voltage and low voltage protection
- Short circuit protection
- Over temperature protection
- Over load protection



Power Range



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SPS Series



SOLAR INVERTER CHARGER

Models	SPS1000	SPS1500	SPS2000	SPS3000	SPS4000	SPS5000	SPS6000
Output Power	1000W	1500W	2000W	3000W	4000W	5000W	6000W
Surge Power	3000W	4500W	6000W	9000W	12000W	15000W	18000W
Output Voltage	100/110/120VAC±5% , 220/230/240VAC±3%				230VAC or 120/240V split phase		
Output Frequency	50/60Hz ±0.5%						
Output Waveform	True sine wave (THD<5%)						
Power Factor	0.1~1						
DC Input Voltage	12/24VDC	12/24/48VDC			24/48VDC		
Voltage Range	10.0~16.0/20.0~31.0VDC		10.0~16.0/20.0~31.0/42.0~62.0VDC			20.0~31.0/42.0~62.0VDC	
Power Saving Mode	< 5W	< 15W	<15W	< 15W	< 20W	< 20W	<20W
Efficiency	110VAC	84%	84%	85%	85%	86%	87%
	230VAC	85%	86%	87%	87%	87%	88%

Solar Charger

Solar Charger Current	40A to 120A						
Rated Voltage	12V/24VDC	12V/24V/48VDC					
PV Input Voltage	15-55VDC/60-96VDC						
Max PV Input Power	480W to 5760W(solar charger current * dc input voltage)						

AC Charger

AC Input Voltage	90~135VAC/190~245VAC						
DC Output Voltage	Fast (14.0-15.1V) , Float (13.3-13.8V) (*2 for 24Vdc, *4 for 48Vdc)						
Over Charge Protection	15.7Vdc (*2 for 24Vdc, *4 for 48Vdc)						
Charge Current	110VAC	35A/20A	50A/25A/15A	70A/30A/15A	80A/40A/25A	50A/30A	70A/40A
	220VAC	35A/20A	45A/25A/15A	65A/30A/20A	75A/45A/30A	65A/35A	70A/40A

AC Bypass

Transfer Time	<8 ms						
Input Volt. Waveform	Utility AC or Generator (Sine Wave)						
Max bypass current	10A	20A	20A	30A	30A	40A	40A

Control&Signal

LED Indicator	Working Mode						
LCD Screen	AC Input , AC Output , DC Input , Output Frequency , Load Percentage , Working Mode , Fault Indicator						
Remote Control(optional)	CR10-11						
Battery type	Manual Optional						
Dry Contact Terminal	By relay						

Safety & EMC

Safety	UL458 , LVD (EN60950)						
EMC	FCC Part15 Class A , CE (EN55022:2006+A1:2007)						

Environment

Operating Temp	-20~50°C
Working Humidity	20~90%RH
Storage Temp	-30~70°C

SPS Series



SOLAR INVERTER CHARGER

Other Information

Cooling	Automatically controlled cooling fan						
Weight (kg)	23	24	25	28	40	48	50
Size (mm)	455*520*205 , 630*515*200						
Application	Vehicle,Yacht,Solar power systems,Portable equipments,Power tools,Home and Office appliances						