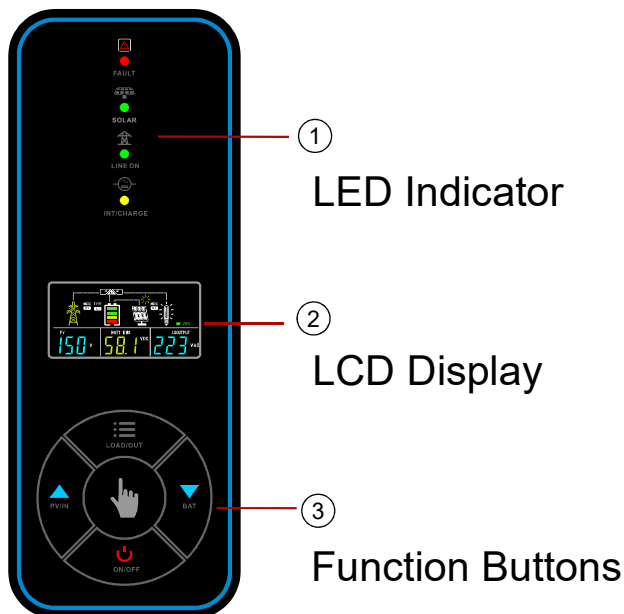


SPI Series Split Phase Solar Inverter

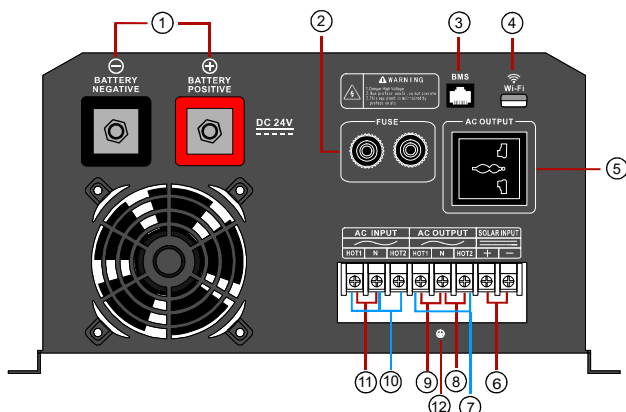
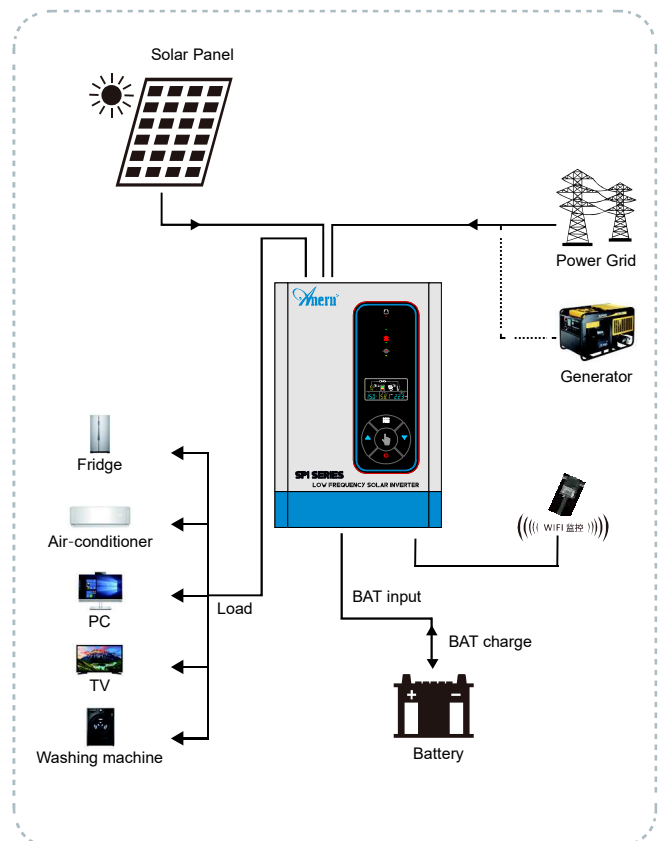
Feature

- ▶ Pure sine wave output
- ▶ With UPS automatic switching function, grid power charging function
- ▶ It has perfect protection functions such as over load high voltage, low voltage, short circuit, etc.
- ▶ DSP Intelligent Chip Control, Excellent Performance
- ▶ Strong inverting capability, one-time soft start, triple output peak power, with all inductive loads
- ▶ Smart LCD display and setting(Working modes, Charge Current, Charge Voltage, charging on/off switch, AC range input, battery voltage, Battery low voltage shutdown etc.)
- ▶ Full personalized LCD display, inverters can display various data information
- ▶ Mains priority mode, Battery priority mode, Energy saving priority, Generator mode, Mains priority unattended mode, Battery priority unattended mode, can be set freely to meet different occasions
- ▶ With MPPT solar charge controller 60A-240A (Optional)

Back panel printing description



Solar system connection



1. Battery +/-
2. AC Input Fuse
3. BMS
4. WiFi
5. AC Output 110V/120V Output Voltage
6. Solar Input +/-
7. HOT1+N+HOT2 220V/240V Output Voltage
8. HOT2+N 110V/120V Output Voltage
9. HOT1+N 110V/120V Output Voltage
10. HOT1+N+HOT2 220V/240V Input Voltage
11. HOT1+N 110V/120V Input Voltage
12. GND

Specification

MODEL		SPI-2000W	SPI-3000W	SPI-5000W	SPI-6000W	SPI-8000W	SPI-10000W	SPI-12000W	
Inverter Output	Rated power	2000W	3000W	5000W	6000W	8000W	10000W	12000W	
	Surge rating(20MS)	6000W	9000W	15000W	18000W	24000W	30000W	36000W	
	Wave form	Pure sine wave							
	Output voltage RMS	HOT1+N:110/120VAC±10%;HOT1+HOT2 :220/ 240VAC±10%							
	Output frequency	50Hz or 60Hz (±0.3Hz)							
	Inverter efcency (peak)	> 85%							
	Line mode efcency	> 95%							
	Overload(HOT1+HOT2)	120%<Load< 130% ±10:Fault(Turnoff output after 60seconds) 130%<Load< 150% ±10:Fault(Turnoff output after 10seconds) 150%<Load ±10:Fault(Turnoff output after 10seconds)							
	Overload(HOT1+N/HOT2+N)	60%<Load<65% ±10:Fault(Turnoff output after 60seconds) 65%<Load<75% ±10:Fault(Turnoff output after 10seconds) 75%<Load ±10:Fault(Turnoff output after 10seconds)							
Battery	Battery voltage	24VDC/48VDC			48VDC/96VDC				
	Minimum start voltage	(9.5V-12.5V adjustable)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC, *8 for 96VDC)							
	Low battery voltage cut of	(9.5V-12.5V adjustable),10V(default) for 12VDC mode (*2 for 24VDC, *4 for 48VDC, *8 for 96VDC)							
	Low battery voltage alarm	(9.5V-12.5V adjustable)+0.5V,10.5V(default) for 12VDC mode (*2 for 24VDC, *4 for 48VDC, *8 for 96VDC)							
	High battery voltage alarm	16V for 12VDC mode (*2 for 24VDC, *4 for 48VDC, *8 for 96VDC)							
	High Battery Voltage Recover	15.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC, *8 for 96VDC)							
	Battery type	AGM,Lead Acid,Lithium,Ternary							
AC Input Mode	Input wave form	Pure sine wave							
	Nominal input voltage	HOT1+N:110V/120VAC±20% ;HOT1+N+HOT2 :220/ 240VAC±20%							
	Low input voltage	110/120VAC:70-90VAC(adjustable),80VAC(default) ;220/240VAC:140-180VAC(adjustable),160VAC(default)							
	Max input voltage	110/120VAC:130-145VAC(adjustable),137VAC(default) ;220/240VAC:260-290VAC(adjustable),275VAC(default)							
	Input frequency	50Hz / 60Hz (auto sensing)							
	Efcency (AC mode)	> 95% (load, full battery)							
	Transfer time AC to DC	8ms(Max)							
Solar Charger	Maximum PV Charge Current	50A,60A,80A,100A,120A				120A,240A			
	Maximum PV Array Power	24V Solar system	60A:1440W;80A:1920W;100A:2400W;120A:2880W						
		48V Solar system	60A:2880W;80A:3840W;100A:4800W;120A:5760W;240A:11520W						
		96V Solar system	120A:11520W;240A:23040W						
	MPPT Range @ Operating Voltage	30~120VDC @ 24V;60~150VDC @ 48V;120~170VDC				60~150VDC @48V;120~270VDC @96V			
	Maximum PV Array Open Circuit Voltage	130VDC @ 24V; 160@ 48V				160VDC @ 48V;280@ 96V			
	Maximum Efcency	> 98%							
	Standby Power Consumption	<2W							
AC Charge Current (Max)	24V	40A	40A	50A	/	/	/	/	
	48V	20A	30A	40A	50A	50A	50A	50A	
	96V	/	/	/	20A	30A	30A	30A	
	Min charge current 5A. Change by every 5A								
Dimensions	Mounting	Wall Mount							
	Dimensions (W*H*D)	460*370*190mm			530*375*210mm		660*445*260mm		
	Ship Dimensions (W*H*D)	520*445*250mm			620*470*286mm		755*525*235mm		
	Net Weight (Solar CHG)(kg)	16	18	27	30	32	45	50	
	Shipping Weight (Solar CHG)(kg)	18	20	30	33	35	50	55	
	Warranty	1year							

*Product Specifications are subject to change without further notice