Pure sine wave output

1.AC output is the mains standard

2.Purifies the harmonic pollution of the mains

3.Protects the safety of electrical equipment and users

4.Improves the operation quality of electrical equipment and saves energy

SOLAR POWER INVERTER

Over current protection

Over voltage protection

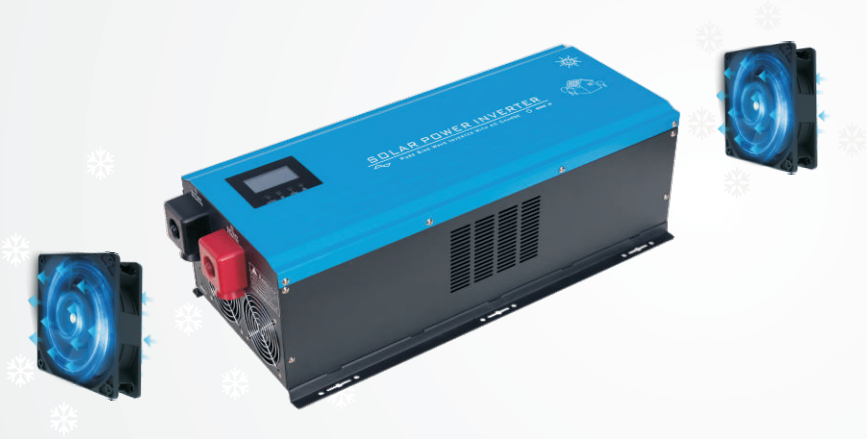
Low voltage protection

short circuit protection

Over temperature protection

- Stable, intelligent and efficient
- Strong load capacity,3 times peak power,easily cope with inductive loads, such as motors, pumps, air conditioners, etc.
- AC input&AC output adjustable (110VAC:104-120VAC, 220VAC: 210V-230VAC) for different precision electrical appliances
- AC charging is adjustable from 0-30A /0-40A/0-50A.
- In battery priority mode, can set to turn on and off the AC charging
- 3-level voltage stabilizer to protect electrical appliances from high and low voltage damage

Can set battery high voltage protection and low voltage protection , float charge and equalize charge, compatible with different types of batteries



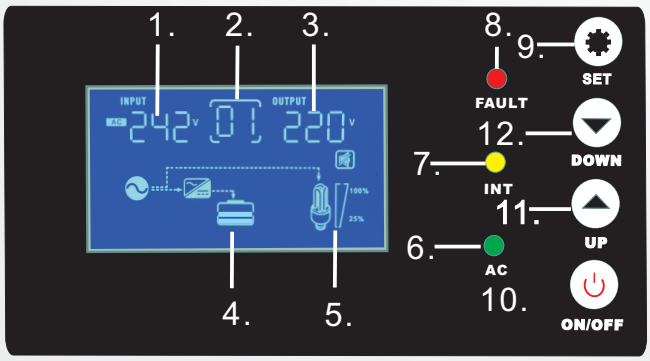
Cooling system

1.Intelligently control fan ,when the temperature >45℃ automatically turn on, <45℃ closed, when the temperature is higher, the fan speed faster.

2.The load power> 50% turn on , < 50% closed

3. AC charging current >10A turn on , < 10A closed

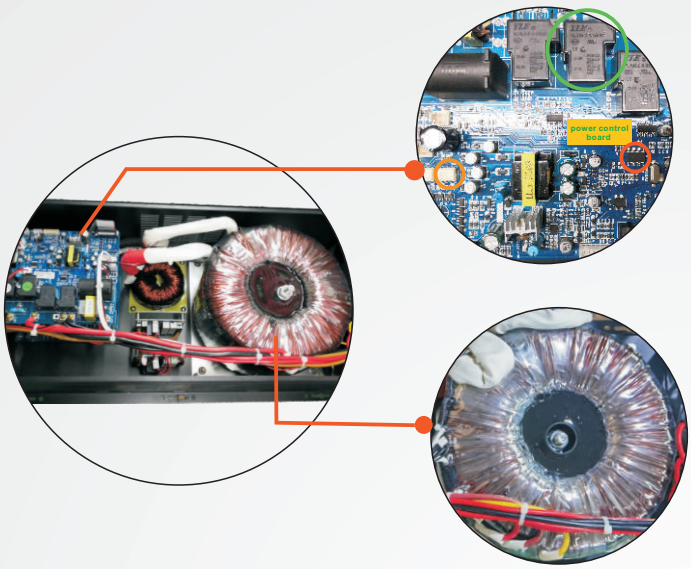
LCD+LED Visual display, clear at a glance



1.	INPUT	AC input voltage
2.	Hz /(01)	output frequency / Working mode
3.	OUTPUT	AC output voltage
4.	BATT	Battery working condition and capacity
5.	LOAD 25%--100%	Load power Overload condition
6.	AC	AC input voltage normal
7.	INVERTER	Battery mode
8.	FAULT	False signal light
9.	⚙	MUTE/FUNCTION
10.	⏻	ON/OFF
11.	▲	UP
12.	▼	DOWN

support mobile APP, can monitor and set inverter parameters

1 Battery input positive
2 Battery input negative
3 RS485WIFI network interface (optional)
4 Cooling fan
5 AC input overcurrent switch protector
6 AC input socket
7 AC input neutral (blue)
8 AC input live (brown)
9 AC input ground (yellow-green)
10 AC output neutral (blue)
11 AC output live (brown)
12 AC output ground (yellow-green)



Big current relay, low temperature,
stronger impact resistance

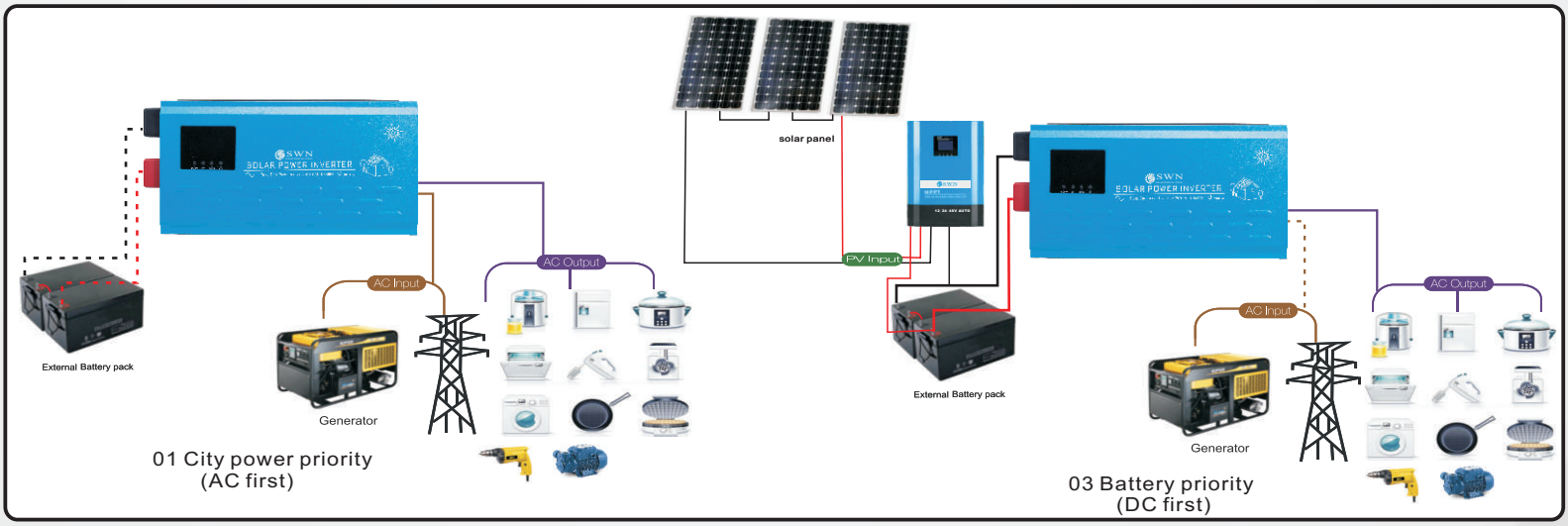
SMD components small size, light weight,
high in reliability and strong in vibration resistance,
low solder joint defect rate ,more reliable

Large memory high-speed DSP chip Flexible,
accurate, strong anti-interference, real-time
and fast realization of various digital signal processing

Toroidal transformer

low temperature, low noise, high efficiency
no load current ≤ 0.6A

Packed in Strong Carton :



01 City power priority: When the main power is available, the city power supply power to the load and charging to battery, when the city power is off inverter automatically converts and use the battery supply power to the load .

02 Energy saving mode : When the inverter is in battery priority mode and the output load is less than 10% of the power, the AC power output will be turn off,when the load is greater than 11% of inverter rated power, the inverter restarts output. This function is to reduce the battery loss and extend the battery backup time.

03 Battery priority: The battery supply power to the load. When the battery voltage is low Inverter automatic conversion use city power supply power to the load. (AC charging to battery or not set by PC).When the battery voltage is restored , the battery will supply power to the load again.

04 City power priority unattended: Inverter automatically turn on when connected to city power or battery voltage is normal. Inverter use city power supply power to the load first.

05 Battery priority unattended : When the battery voltage is normal ,the inverter automatically turn on and battery supply power to the load. When battery is low voltage shutdown , the inverter enters standby and waits for solar charging to battery .When the battery voltage is restored ,the inverter automatically turn on .

Specification:

Model		1000W	1500W	2000W	3000W	4000W	5000W	6000W	8000W	10000W	12000W
Input	Rated capacity	1000W	1500W	2000W	3000W	4000W	5000W	6000W	8000W	10000W	12000W
	peak power	3000W	4500W	6000W	9000W	12000W	15000W	18000W	24000W	30000W	36000W
	Commercial Power range	110VAC:83V-137VAC 120VAC:90V-150V 220VAC:165V-275VAC 230VAC:173V-287V							220VAC:176V-264VAC 230VAC:184V-276V		
	AC frequency range	45-65HZ									
Battery	Type	lead-acid battery / GEL battery / lithium battery									
	DC Voltage	12 VDC /24VDC			24VDC/48VDC		48VDC/96VDC				
	Input voltage range	12VDC:10.5-15VDC 24VDC:21-30VDC 48VDC:42-60VDC 96VDC:84-120VDC									
	Floating charge set	12.9 ～ 13.6 V(1PCS battery) can be set									
	Low voltage restored	12VDC:12.6-14.4VDC 24VDC:25.2-28.8VDC 48VDC:50.4-57.6VDC 96VDC:100.8-115.2VDC									
	Low voltage shutdown set	12VDC:10-10.9V 24VDC:20-21.8V 48VDC:40-43.6V 96VDC:80V-87.2V									
	over voltage protection	12VDC:16.7VDC 24VDC:33.4V 48VDC:66.8V									
	over voltage alarm	12VDC:15VDC 24VDC:30V 48VDC:60V									
Charger	AC charging	5A-30A(40A, 50A, 60A,70A Optional）									
Output	Capable of starting electric motor	0.5HP	1HP	1.5HP		2HP			3HP		
	AVR voltage range（VAC）	110/120/220/230/240±10%（Auto-sensing）							Without		
	Transfer time	Typical：5ms(Including detection time)									
	Temperature protection	≥85℃ alarm ≥90℃ machine shut off									
	overload	IPS automatically shut down if overload exceeds 120% of normal value for 10 seconds, IPS automatically resume work if overload comes to rated load.									
	Waveform	Pure sine wave									
	Frequency	Commercial power supply: shared frequency with the commercial inversion state:60/50±0.5									
	Output frequency range (electric supply mode)	Tracking automatically									
temperature	Operating Temperature	0℃~70℃									
	Thermal method	Cooling fan in intelligent control≤42℃ fan rotates slowly to ≥45℃ fan rotates fast									
Appearance	External Size(mm) （L*W*H）	510*295*225mm				645*325*215mm			765*320*250mm		
	Gross Size(mm) （L*W*H）	560*380*280mm				730*400*290mm			850*405*320mm		
	Net weight(kg)	14	15	18	20	31	34	35	50	52	56
	Gross weight(kg)	16	17	20	23	34	37	39	54	5	60