



- 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

Low Frequency Hybrid Inverter



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
- ★ Built-in high efficiency up to 99%
 50-120A MPPT solar charger
 controller

 www. swnpower.com

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

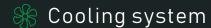






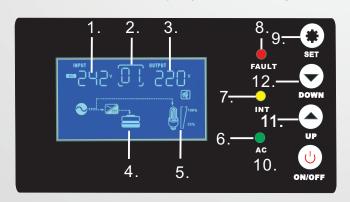




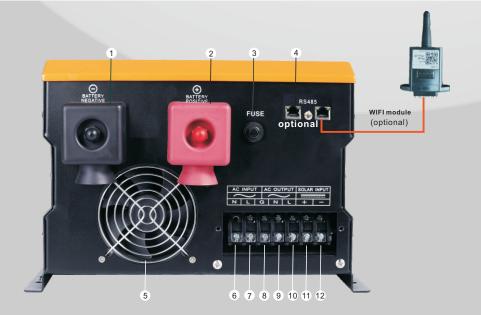


- 1.Intelligently control fan ,when the temperature >45°C automatically turn on, <45℃ closed, when the temperature is higher, the fan speed faster.
- 2.The load power > 50% turn on, < 50% closed
- 3. AC charging current >10A turn on, < 10A closed

LCD+LED Visual display, clear at a glance



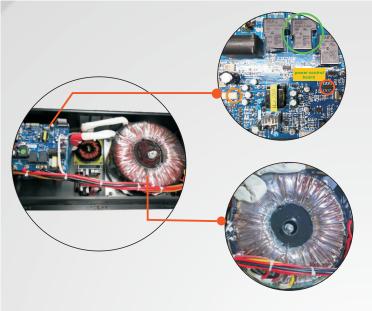
1.	INPUT	AC input voltage
2.	Hz/(01)	output frequency / Working mode
3.	OUTPUT	AC output voltage
4.	BATT	Battery working condition and capacity
5.	LOAD 25%100%	Load power Overload condition
6.	AC	AC input voltage normal
7.	INVERTER	Battery mode
8.	FAULT	False signal light
9.	0	MUTE/FUNCTION
10.	(4)	ON/OFF
11.	•	UP
12.	•	DOWN





support mobile APP, can monitor and set inverter parameters

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



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:





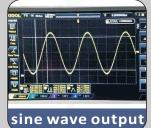




- 01 City power priority: When the main power is available, the city power supply power to the load and charging to battery, when the city power is off inverter automatically converts and use the battery supply power to the load.
- 02 Energy saving mode: When the inverter is in battery priority mode 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		
Model													
	Rated capacity	1000W	1500W	2000W	3000W	4000W	5000W	6000W	8000W	10000W	12000W		
	peak power	3000W	4500W	6000W	9000W	12000W	15000W	18000W	24000W	30000W	36000W		
Inverter Input	Commercial Power	110VAC:83V-137VAC 120VAC:90V-150VAC 220VAC:176V-264VAC									4VAC		
	range	220VAC:165V-275VAC 230VAC:173V-287VAC 230VAC:184V-276VAC											
	AC frequency range	45-65HZ											
	Efficiency	>85%											
MEDTO	MPPT Solar controller 30A / 50A Solar input power 260W/720W/4200W						A/60A/80A	80A /100A 3840W/4800W/9600W					
MPPT Solar	Solar input power	360W/720W/1200Wv 1200W/1440W/2400W2880W/3840W 3840W/4							JVV/4800VV/9	60000			
controller	Solar input voltage(max)	12VDC/24VDC:130V 48VDC:160V 96VDC:								/DC: 280V			
	Type	lead-acid battery GEL battery lithium battery											
	DC Voltage	12VDC /24VDC/48VDC 24VDC/48VDC 48VDC/96VD							96VDC				
	Input voltage range	12VDC:10.5-15VDC 24VDC:21-30VDC 48VDC:42-60VDC 96VDC:84-120VDC									С		
	Floating charge set	12V:12.9 ~ 13.6 V 24V:25.8V ~27.2V 48V:51.6V ~54.4V 96V:103.2V ~108.8V											
Battery	Low voltage restored	12VDC:12.6-14.4VDC 24VDC:25.2-28.8VDC 48VDC:50.4-57.6VDC 96VDC:100.8-115.2VDC											
Dattery	Low voltage shutdown	12VDC:10-10.9V 24VDC:20-21.8V 48VDC:40-43.6V 96VDC:80V-87.2V											
	set	12 V D D . 10 - 10 . 3 V											
	over voltage protection	12VDC:16.7VDC 24VDC:33.4V 48VDC:66.8V											
	over voltage alarm	12VDC:15VDC 24VDC:30V 48VDC:60V											
	AC charging	5A-35A(40A, 50A, 60A,70A Optional)											
	Capable of starting	0.5HP	1HP	1.5	HP	2HP			3НР				
	electric motor												
	AVR voltage range (VAC)	110/120/220/230/24@10% (Auto-sensing) Without											
	Power factor	100%											
	Transfer time	Typical: 5ms(Including detection time)											
	Temperature protection	>85°C alarm ≥90°C machine shut off											
Inverter Output	overload	IPS automatically shut down if overload exceeds 110%-120% of normal value for 30 seconds, IPS automatically resume work if overload comes to rated load.											
	Wave form	resume work it overload comes to rated load. Pure sine wave											
	Frequency		Comme	ercial power	r supply: sh	nared frequer	ncy with the	commercial i	nversion stat	e:60/50±0.5			
	Output frequency range												
	(electric supply mode)				Tracking	g automatica	lly						
	Protection		Overload	, short circu	uit, batter	y high and lo	w voltage, A	C input high	and low volta	age protection	n		
	Conversion method	Interactive											
	Operating Temperature	0℃~70℃											
temperature	Thermal method	Cooling fan in intelligent control≤42°C fan rotates slowly to ≥45°C fan rotates fast											
	External Size(mm)	510*325*215mm 645*325*215mm 765*320*250mm								nm			
	(L*W*H)	700 320 23011111											
Appearance	Gross Size(mm) (L*W*H)	560*380*280mm 730*400*290mm 840							40*405*320n	nm			
	Net weight(kg)	14	15	18	20	31	34	35	52	54	56		
	Gross weight(kg)	16	17	20	22	35	37	38	56	58	60		





