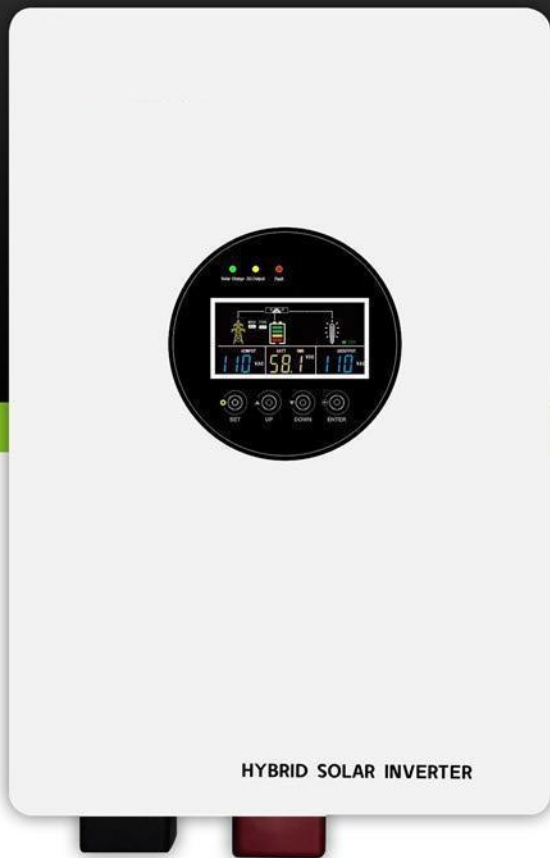


LOW FREQUENCY HYBRID INVERTER

Built-in MPPT solar charge controller 80A/100A//120A/150A

support mobile APP, can monitor and set inverter parameters



- 1 BMS (Optional)
- 2 Wi-Fi (Optional)
- 3 Dry contact port
- 4 AC Input Fuse
- 5 Solar Input negative terminal
- 6 Solar Input positive terminal
- 7 AC Output terminal
- 8 AC Input terminal
- 9 Fan
- 10 Battery negative terminal
- 11 Battery positive terminal
- 12 AC Output Socket



- 1.AC putput is the mains standard
- 2.Purifies the harmonic pollution of the mains
- 3.Protects the safety of eletrical equipment and users
- 4.Improves the operation quality of eletrical equipment and savea energy

Cooling system

- 1.Intelligently control fan, when the temperature > 45°C automatically turn on < 45°C 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

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



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 220VAC:165V-275VAC			120VAC:90V-150VAC 230VAC:173V-287VAC			220VAC:176V-264VAC 230VAC:184V-276VAC				
	AC Frequency Range	45-65HZ										
	Efficiency	> 85%										
MPPT Solar Controller	MPPT Solar Controller	30A/50A			50A/60A/80A			80A/100A/120A/150A				
	Solar Input Power	360W/720W/1200W			1200/1440/2400/2880/3840W			3840W/4800W/9600W				
	Solar Input Voltage(Max)	12VDC/24VDC:130V			48VDC:160V			96VDC:280V				
Battery	Type	Lead-acid battery GEL battery Lithium battery										
	DC Voltage	12VDC/24VDC/48VDC			24VDC/48VDC			48VDC/96VDC				
	Input Voltage Range	12VDC:10.5-15VDC		24VDC:21-30VDC		48VDC:42-60VDC		96VDC:84-120VDC				
	Floating Charge Set	12V:12.9~13.6V		24V:25.8V~27.2V		48V:51.6V~54.4V		96V:103.2V~108.8V				
	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:10-10.9V			24VDC:33.4V			48VDC:66.8V				
	Over Voltage Alarm	12VDC:15V			24VDC:30V			48VDC:60V				
	AC Charging	5A-35A(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		
	Power Factor	100%										
	Transfer Time	Typical:5ms(Including detection time)										
	Temperature Protection	≥85°C alarm ≥90°C machine shut off										
	Overload	IPS automatically shut down if overload exceeds 110%-120% of normal value for 30 seconds, IPS automatically resume work if overloaad comes to rated load										
	Wave Form	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										
	Protection	Overload, short circuit, battery high and low voltage, AC input high and low voltage protection										
Converision Method	intercative											

SPECIFICATION

Temperature	Operating Temperature	Cooling fan in intelligent control $\leq 42^{\circ}\text{C}$ fan rotates slowly to $\geq 45^{\circ}\text{C}$ fan rotates fast									
	Thermal Method	0°C~70°C									
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	52	54	56
	Gross Weight(kg)	16	17	20	22	35	37	38	56	58	60