

Specification:

Model		1000W	1500W	2000W	3000W	4000W	5000W	6000W	8000W	10000W	12000W
Inverter 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-150VAC						220VAC:176V-264VAC			
		220VAC:165V-275VAC 230VAC:173V-287VAC						230VAC:184V-276VAC			
	AC frequency range	45-65HZ									
Efficiency	>85%										
MPPT Solar controller	MPPT Solar controller	30A / 50A			50A/60A/80A				80A /100A		
	Solar input power	360W/720W/1200Wv			1200W/1440W/2400W2880W/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 ~ 13.6 V		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: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)									
	Inverter 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℃ alarm ≥90℃ machine shut off									
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		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									
temperature	Conversion method	Interactive									
	Operating Temperature	0℃~70℃									
Appearance	Thermal method	Cooling fan in intelligent control≤42℃ fan rotates slowly to ≥45℃ fan rotates fast									
	External Size(mm) (L*W*H)	510*325*215mm				645*325*215mm			765*320*250mm		
	Gross Size(mm) (L*W*H)	560*380*280mm				730*400*290mm			840*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	

