

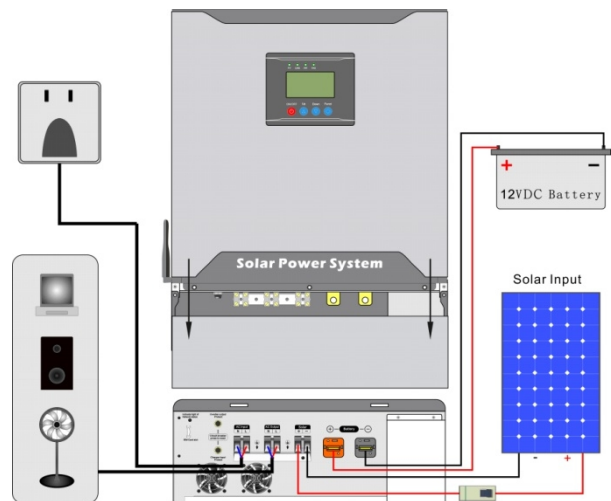
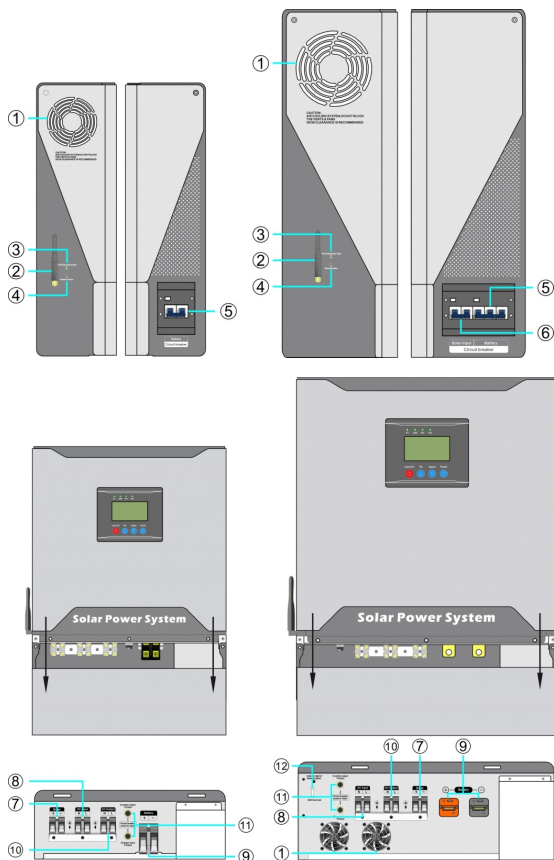


# MPPT HYBRID SOLAR INVERTER

## NKM1KW-6KW 30A/60A

### Product features

- Double CPU intelligent control technology, performance excellence;
- The power mode / energy saving mode / battery mode can be set up, Flexible application;
- Smart fan control, safe and reliable;
- The pure sine wave output, can adapt to various types of load;
- Wide input voltage range, high-precision output automatic voltage function.
- The LCD real-time display device parameters, running status at a glance;
- The output overload, short circuit protection, automatic protection and alarm;
- The intelligent MPPT solar controller, over charge, over discharge protection, current limiting charging, multiple protection;



### Direction:

- ① --Fan
- ②--Wi-fi communication instructions (optional function)
- ③--WIFI working status indicator
- ④--WIFI reset button
- ⑤-- Battery input breaker
- ⑥--Solar input breaker(Remarks: no this breaker to 0.3KW-1.5KW)
- ⑦--Solar input port
- ⑧-- AC input port
- ⑨-- Battery access port
- ⑩-- AC output port
- ⑪-- AC input / output fuse holder
- ⑫--SIM card slot(Remarks: optional function, 0.3KW-1.5KW no card slot)

## TECHNICAL DATA

Model: MPPT hybrid inverter built in solar controller		1KW	1.5-6KW		
power rating(w)		1000	1500	3000	5000
		1000	2000	4000	6000
Battery	rated voltage (VDC)	12 or 24	12/24/48	24/48	48/96
	Charge Current	10A MAX	30A MAX		
	Battery Type	Can be set			
Input	Voltage Range	<b>85-138VAC/170-275VAC</b>			
	frequency	45-65Hz			
Output	Voltage Range	110VAC/220VAC; ±5% (Inverter mode)			
	frequency	50/60Hz±1% (Inverter mode)			
	Output wave	Pure Sine Wave			
	Change time	<10ms(Typical load)			
	frequency	>85% (80% Resistive load)			
	overcharge	110-120%/30S; >160%/300ms;			
	Protection function	Battery over-voltage and low-voltage protection, overload protection, short circuit protection, over-temperature protection			
MPPT Solar Controller	MPPT Voltage Range	12VDC:15V~150VDC; 24VDC:30V~150VDC; 48VDC:60V~150VDC/96VDC:100V~235VDC			
	Solar input Power	12VDC-30A(400W); 24VDC-30A(800W)	12VDC-60A(800W); 24VDC-60A(1600W); 48VDC-60A(3200W) 96VDC-60A(6400W)		
	Rated charge current	30A(Max)	60A(Max)		
	MPPT efficiency	≥99%			
	Average charging voltage (lead acid battery) accept	12V/14.2VDC; 24V/28.4VDC; 48V/56.8VDC/96V/113.6VDC			
	Floating charge voltage	12V/13.75VDC; 24V/27.5VDC;48V/55VDC/96V/110VDC			
Operating ambient temperature		-15-+50℃			
Storage ambient temperature		-20 - +50℃			
Operating / storage environment		0-90% No Condensation			
Dimensions: W * D * H (mm)		420*320*122	520*420*222		
Packing size: W * D * H (mm)		535*435*172	635*535*252		