

LH48V6.2KW

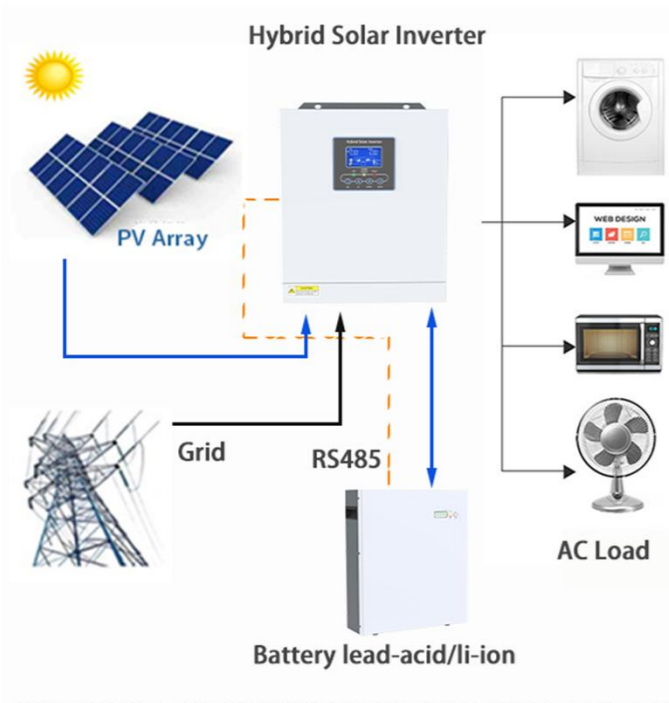
Hybrid Solar inverter with 100V-500V PV Input and 5.5KW/6.2KW 230Vac Output



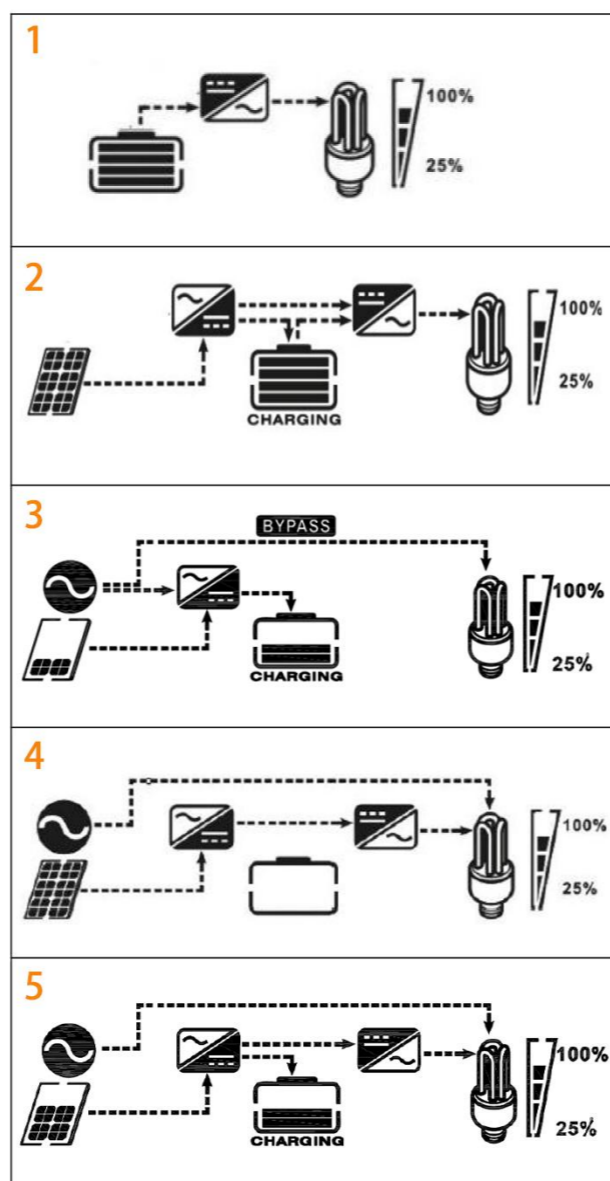
Product Feature:

- ▶ Built in dustproof components
- ▶ Capable to operate without Battery
- ▶ Wider PV input voltage range:100V~500Vdc
- ▶ Excellent solar MPPT performance, efficiency up to 99%
- ▶ PV generated energy Total and Daily information
- ▶ Battery wake-up function
- ▶ Capable to communicate with battery BMS by RS-485 interface
- ▶ Excess solar energy can be powered to Grid (settable)

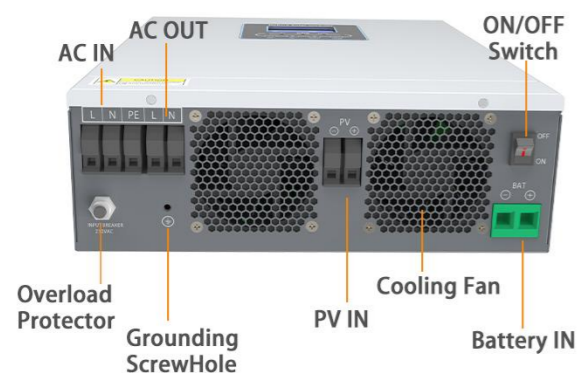
Hybrid power System



Typical working mode



Bottom View



MODEL	LH48V6. 2KW	
PV Array		
Max. PV Array Power	7200W	
Max. PV Array Open-Circuit Voltage	500VDC	
Start-up Voltage	100VDC	
MPPT Operating Voltage Range	120-450VDC	
Nominal Input Voltage	360VDC	
Max. Input Current MPPT	20A	
MPPT max Efficiency	99%	
Battery		
Battery Type		
Nominal Battery Voltage	48V	
Battery Voltage Range	41-58V	
Max. AC Charging Current	40A	
Max. PV Charging Current	100A	
Max. Continuous Discharging Current	120A	
AC Input		
Nominal Voltage	230VAC	
Voltage Range	170-275VAC	
Frequency	50/60Hz (Auto following)	
Max. Input Current	40A	
AC Output		
Nominal Voltage	220/230VAC ± 5%	
Output Voltage Waveform	Pure Sine Wave	
Rated Output Power	6200VA/6200W	
Peak Output Power	8800VA	
Nominal Output Frequency	50/60Hz	
Transfer Time	10ms	
Efficiency(peak) PV to INV	96.5%	
Efficiency(peak) BAT to INV	93.0%	
General Data		
Operating Temperature Range	-10 -- +50℃	
Relative Humidity	0~95%	
Max. Operating Altitude	< 4000m	
Cooling Method	Intelligent Fan cooling	
Display	LED + LCD	
Communication with BMS	RS485	
Communication with Cloud	WiFi/4G	
Degree of Protection	IP21	
Weight (kg)	8.8	
Dimension (W*H*Dmm)	373*105*300	
Mounting Method	Wall Mounted	