

LH24V2.2KW/3.2KW/4.2KW&48V/4.2KW

Hybrid Solar inverter with 70V-450V PV Input and 2KW/3KW/3.5KW/4.2KW 230Vac Output

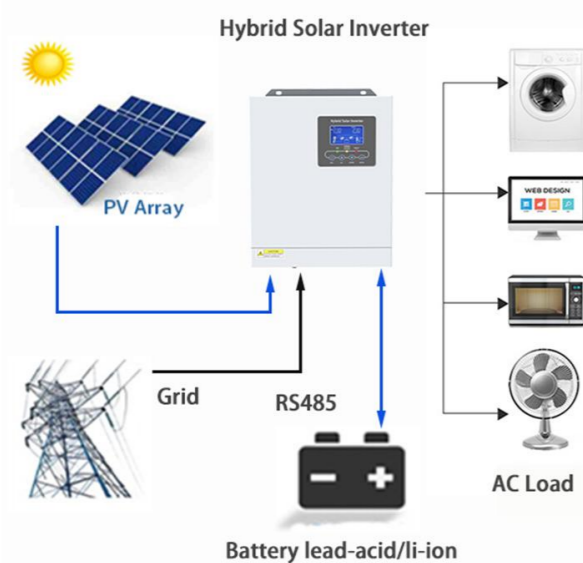


Product Feature:

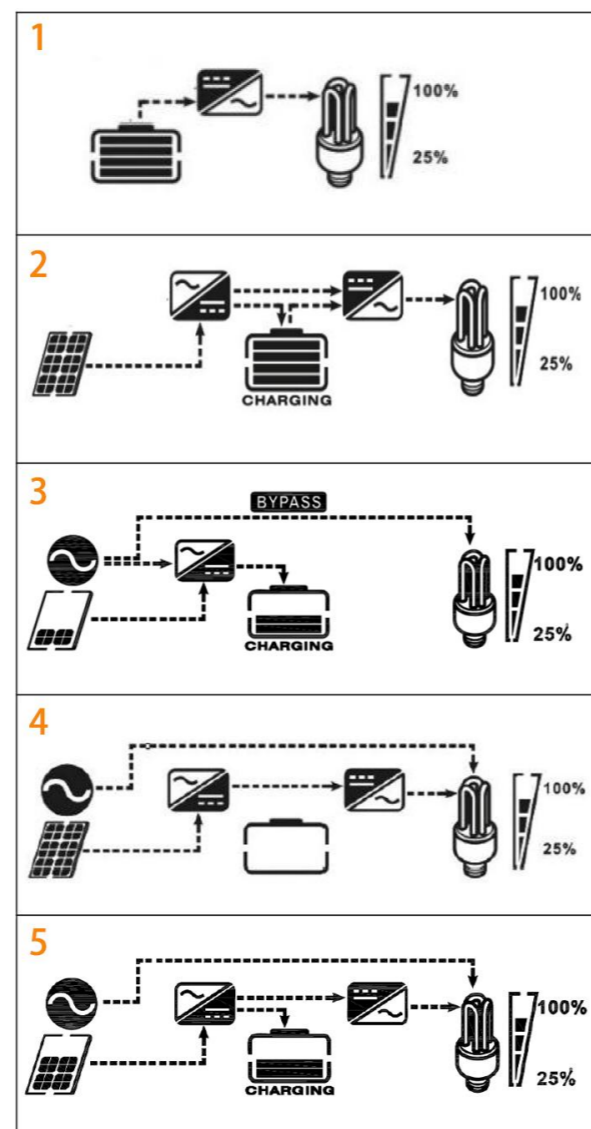
- ▶ Built in dustproof components
- ▶ Capable to operate without Battery
- ▶ Wider PV input voltage range:60V~450Vdc
- ▶ Excellent solar MPPT performance, efficiency up to 99%
- ▶ PV generated energy Total and Daily information
- ▶ Battery wake-up function
- ▶ Capable to communicate with battery BMS by RS-485 interface
- ▶ Excess solar energy can feed in Grid (settable)

MODEL	LH24V2.2KW	LH24V3.2KW	LH24V4.2KW	LH48V4.2KW
PV Array				
Max. PV Array Power	2400W	3600W	4600W	4600W
Max. PV Array Open-Circuit Voltage	450VDC			
Start-up Voltage	80VDC			
MPPT Operating Voltage Range	70~400VDC			
Nominal Input Voltage	300VDC			
Max. Input Current MPPT	18A			
MPPT max Efficiency	99%			
Battery				
Battery Type	Li-ion /lead-acid			
Nominal Battery Voltage	24V			48V
Battery Voltage Range	21~29V			41~58V
Max. AC Charging Current	40A	50A		40A
Max. PV Charging Current	80A	80A	100A	60A
Max. Continuous Discharging Current	80A	100A	120A	80A
AC Input				
Nominal Voltage	230VAC			
Voltage Range	170~275VAC			
Frequency	50/60Hz (Auto following)			
Max. Input Current	20A		25A	
AC Output				
Nominal Voltage	220/230VAC ± 5%			
Output Voltage Waveform	Pure Sine Wave			
Rated Output Power	2000VA/2000W	3000VA/3000W	4200VA/4200W	4200VA/4200W
Peak Output Power	3200VA	4400VA	6100VA	6100VA
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)	6		6.8	
Dimension (W*H*Dmm)	326*95*275			
Mounting Method	Wall Mounted			

Hybrid power System



Typical working mode



Bottom View

