



SPH-SP Series

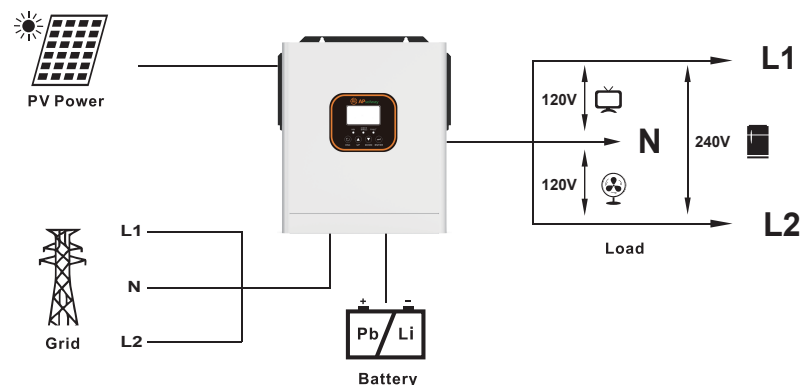
It is applicable to 120/240V±5% voltage systems



- Built-in anti-dust kit for harsh environment.
- Inverter can run without Battery.
- Dual MPPTS input and Dual AC output.
- On Off Grid Work Mode.
- Dual communication ports for Battery and Wifi.
- Built-in Li battery automatic activation.
- PV generated energy Total and Daily information.
- Excess solar energy can be powered to Grid (settable).



System Diagram



Technical Data

MODEL	SPH8.5K-48-SP		SPH10.2K-48-SP	
PV Array				
Max.PV Array Power	5400W+5400W			
MaxPV Array Open-Circuit Voltage	500VDC			
Start-up Voltage	100VDC			
MPPT Operating Voltage Range	120~450VDC			
Nominal Input Voltage	360VDC			
Max. input Current MPPT	18A*2			
MPPT max Efficiency	99%			
Battery				
Battery Type	Li-ion/Lead-acid			
Nominal Battery Voltage	48V			
Battery Voltage Range	41-58V			
Max. AC Charging Current	70A			
Max. PV Charging Current	160A			
Max. Continuous Discharging Current	180A		200A	
AC Input				
Nominal Voltage	120Vac±5%/240Vac±5%			
Voltage Range	170~275VAC			
Frequency	50/60Hz (Auto following)			
Max. input Current	40A		50A	
AC Two Load Output				
Nominal Voltage	120Vac±5%/240Vac±5%			
Output Voltage Waveform	Pure Sine Wave			
Full Load	8500VA		10200VA	
Max.Main Load	8500VA		10200VA	
Max.2nd Load	8500VA		10200VA	
Max.Load Cut Off Voltage (battery mode)	54V DC (adjustable)			
Max.Load Return Voltage (battery mode)	54V DC (adjustable)			
Peak Output Power	11000VA		14000VA	
Nominal Output Frequency	50/60Hz			
Transfer Time	10ms			
Efficiency(peak) PV to INV	97.0%			
Efficiency(peak) BAT to INV	94.0%			
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	IP43			
Warranty	2 years			
Weight(kg)	11		11.5	
Dimension(W*H*Dmm)	389*105*310			
Mounting Method	Wall Mounted			

Product specifications are subject to change without further notice.