



# SUNON V 4.5KVA 6.5KVA Hybrid MPPT Solar Inverter

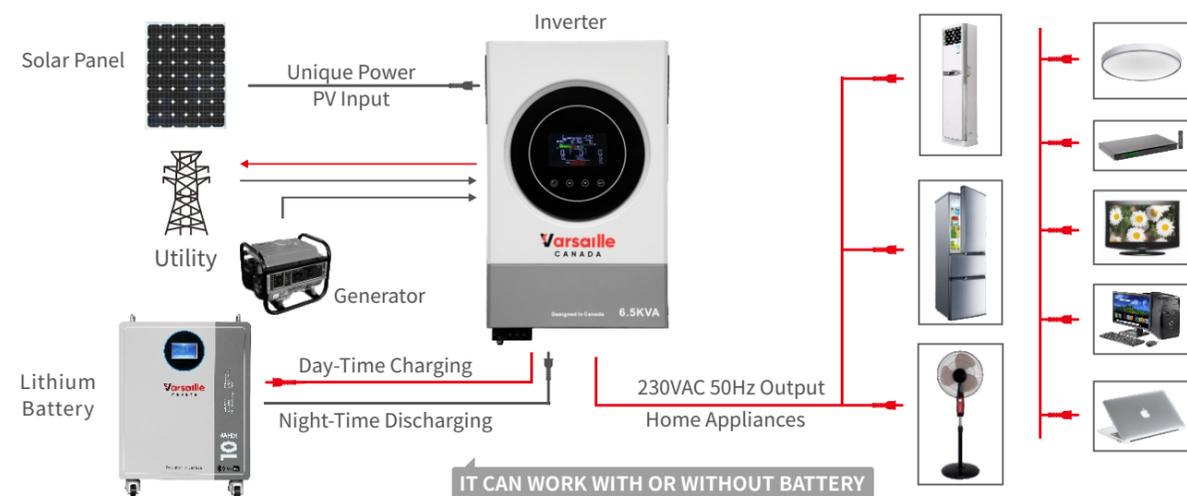
## TECHNICAL PARAMETER

MODEL	SUNON V 4.5KVA/24V	SUNON V 6.5KVA/48V
Rated Power	4500VA/4200W	6500VA/6200W
<b>BATTERY</b>		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC
<b>INPUT</b>		
Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
<b>OUTPUT</b>		
AC Voltage Regulation (Batt. Mode)	230 VAC ± 5%	
Surge Power	8400VA	12400VA
Efficiency (Peak)	90% ~ 93%	
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
<b>SOLAR CHARGER &amp; AC CHARGER</b>		
Solar Charger Type	MPPT	
Maximum PV Array Power	5000W	6000W
Max. Input Current	27A	27A
MPPT Range @ Operating Voltage	60-450V	60-450V
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum Solar Charge Current	120 A	120 A
Maximum AC Charge Current	100 A	100 A
Maximum Charge Current	120 A	120 A
<b>PHYSICAL</b>		
Packing Dimension, D X W X H (mm)	583mm*380mm*214mm	583mm*380mm*214mm
Net Weight (kgs)	9.6	10.4
Communication Interface	USB/RS232/RS485(BMS)/Local WiFi/Dry-contact	
<b>OPERATING ENVIRONMENT</b>		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	

## MAIN FEATURES

-  Built-in Remote WiFi for mobile monitoring (App is available)
-  Battery equalization extends lifecycle
-  With OTG function, supports data events stored
-  Dual(Twin) AC Output
-  Optional for RGB or movable LCD case design
-  Enhanced charging power
-  Reserved communication port (RS485, CAN-BUS or RS232) for BMS
-  Built-in anti-dust kit
-  Battery independent design
-  Hybrid can work as off grid or on grid inverter

## Solar System Connection





# SUNPOLO 8.2KW-11KW On&Off Grid MPPT Solar Inverter IP20

Cycling Wheel Chasing

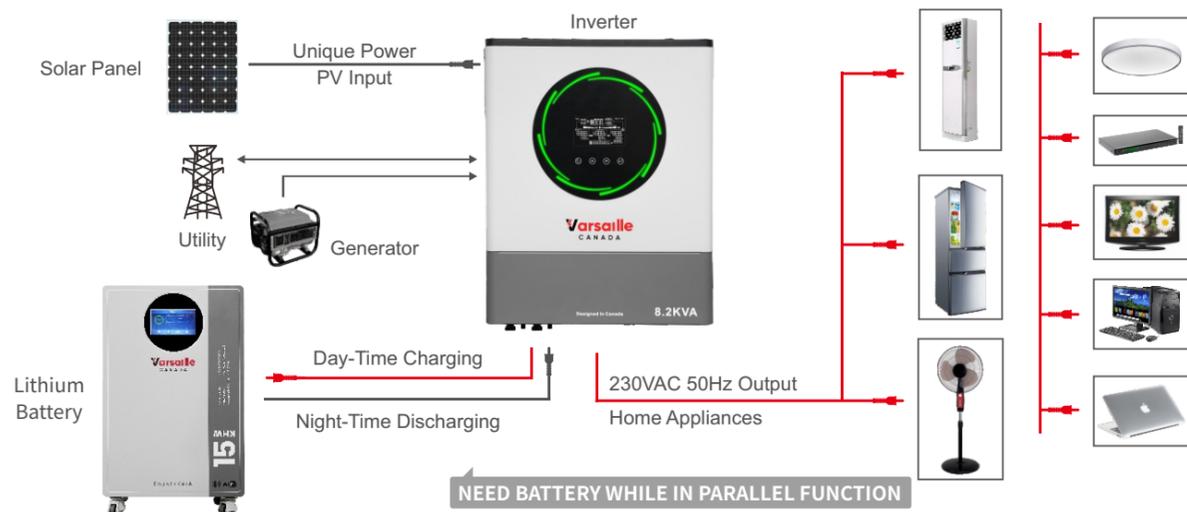


## MAIN FEATURES

- Communication optional: USB/RS232/RS485/Dry-Contact/WIFI
- Dual MPPT tracker inside (2pcs\*27A)
- 3 IN 1: MPPT INVERTER, ON GRID/OFF GRID/HYBRID.
- Real Hybrid Can Feed into Grid
- Optional for 11KW support Generator connection
- With BMS (Smart battery management), can communicate with LiFPO4

- Work with or without battery
- Parallel up to 6pcs optional
- Touch LCD screen
- RGB Light
- WIFI monitor
- Dual AC output L1/L2

## Solar System Connection



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## On&Off Grid MPPT Solar Inverter



### TECHNICAL PARAMETER

MODEL	SUNPOLO 8.2KW	SUNPOLO 11KW
<b>Basical information</b>		
Rated AC Output Power	8200W	11000W
<b>Grid-Tie Operation</b>		
<b>PV Input (DC)</b>		
Nominal DC Volt/Max DC Voltage	360VDC/450VDC	
Start-up Voltage/Initial Feeding Voltage	80VDC	120VDC
MPPT Voltage Range	90-450VDC	
No. of MPPT Tracker/Max. Input Current	27A *2(MAX 40A)	
Max. PV Input Power	12000W(6000W*2)	12000W(6000W*2)
<b>Grid Output (AC)</b>		
Nominal Output Volt	220Vac/230Vac/240Vac, Single Phase	
Output Voltage Range	184V-265Vac or 195-253V (Selectable)	
Nominal Output Current	40A(Max. 2nd Output Current)	47.8A
Power Factor	>0.9	
<b>Efficiency</b>		
Max. Conversion Efficiency (DC/AC)	96%	
<b>Off-Grid Operation</b>		
<b>AC Input (AC)</b>		
AC Start-up Voltage/Auto Restart Volt.	120Vac-140Vac/180Vac	
Acceptable Input Voltage Range	90-280Vac or 170-280Vac	
Max. AC Input Current	60A	60A
<b>Battery Mode Output (AC)</b>		
Nominal Output Volt	220Vac/230Vac/240Vac	
Waveform	Pure sine wave	
Efficiency(DC to AC)	93%	
<b>Battery &amp; Charger</b>		
Battery Type Supported	Lead Acid/VRLA/AGM/Deep Cycle/Gel/Flooded/Tubular/Lithium-Ion	
Nominal Battery Voltage	48Vdc	
Max Solar Charge Current	150A	150A
Max AC Charge Current	150A	150A
Max Total Charge Current	150A	150A
<b>General</b>		
<b>Physical</b>		
Products Dimension,D X W X H (mm)	552*422*152	552*422*152
Product Net Weight(kgs)	18.8	19.1
Product Gross Weight(kgs)	20.9	21.3
Packing Dimension,D X W X H (mm)	700mm*510*mm*232mm,1PC/CTN	696mm*567mm*243mm,1PC/CTN
Parallel functions	Yes, MAX. 6pcs	Yes, MAX. 6pcs
Communication Interface	RS232,USB,WIFI	RS232,USB,WIFI
<b>Environment</b>		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	

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# Li-Sun Wall Stand Lithium Battery Pack 100Ah-300Ah With 6000/8000+ Cycles

25.6V 100Ah/200Ah/300Ah, 51.2V 100Ah/200Ah/300Ah



## Main Features

- Top brand new LiFePO4 cells, super safety.
- 5 Years warranty, 6000/8000+ cycles, 10+ years life design.
- Supports wall mounted or floor stand installation.
- 100A/150A/200A Smart BMS matches well with solar system.
- All around protection and unattended operation.
- 51.2V battery Integrated with multiple communication protocols for 10+ brands of inverters.
- With Wifi/Bluetooth for easy monitor
- With battery cable
- Built inside with fire protection devices

### Leading technology:

- Internal battery temperature reaches 100°C within 10mins, the cover remains at normal temperature.



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## Lithium Battery Pack



MODEL	SK-25.6V 100Ah	SK-25.6V 200Ah	SK-25.6V 300Ah	SK-51.2V 100Ah	SK-51.2V 200Ah	SK-51.2V 300Ah
Battery Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Total Energy	2560Wh	5120Wh	7680Wh	5120Wh	10240Wh	15360Wh
Usable Energy (90%DOD)	2304Wh	4608Wh	6912Wh	4608Wh	9216Wh	13824Wh
Voltage window	22.4~29.2V	22.4~29.2V	22.4~29.2V	44.8~58.4V	44.8~58.4V	44.8~58.4V
Fast Charge Voltage	28.8V	28.8V	28.8V	57.6V	57.6V	57.6V
Folat Charge Voltage	28.0V	28.0V	28.0V	56.0V	56.0V	56.0V
Low DC Cut-off Voltage	23.4V	23.4V	23.4V	46.8V	46.8V	46.8V
Max.continue discharge current	100A	150A	200A	100A	150A	200A
Max.pulse discharge current	150A 1Sec.	200A 1Sec.	300A 1Sec.	150A 1Sec.	150A 1Sec.	300A 1Sec.
Max.continue charge current	50A	100A	150A	50A	100A	150A
Scalable	1~15 in parallel					
Communication	RS485		CAN,RS485			
Cycle life	>8000 Cycles for 300Ah/600Ah >6000 Cycles for 100Ah/200Ah @(+25°C,0.5C,90%DOD,60%EOL)					>8000 Cycles@ (+25°C,0.5C, 90%DOD,60%EOL)
Terminal	double M8					
Storage temperature	0°C~ 30°C					
Storage duration	6 months at 25°C					
Safety standard	UN38.3,MSDS					
IP degree	IP20					
<b>PROTECTION</b>						
Protection	Over charge protection, Over discharge protection, Over current protection, Shortcircuit protection, Over temperature protection					
<b>AMBIENT</b>						
Working Temperature	-10°C~ +50°C					
Humidity	0~95% ( no condensation)					
<b>DIMENSION</b>						
L×W×H (products size)MM	520*390*178	640*390*178	690*455*190	640*390*178	850*560*178	900*625*190
L×W×H (package size)MM	566*440*240 (UN carton)	684*440*240 (UN carton)	739*520*277 (UN wooden cases)	684*440*240 (UN carton)	898*685*265 (UN wooden cases)	948*690*350 (UN wooden cases)
Weight(NW)	32.4	55.0	64.0	55.0	105.2	121.0
Weight(GW)	36.2	60.0	75.0	60.0	121.5	141.0

Smart BMS supports communication with different brand of hybrid inverter

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