

HYBRID SOLAR INVERTER

—SK-1500S-24/SK-3500S-24/SK-5500P-48L/SK-6200S-48L

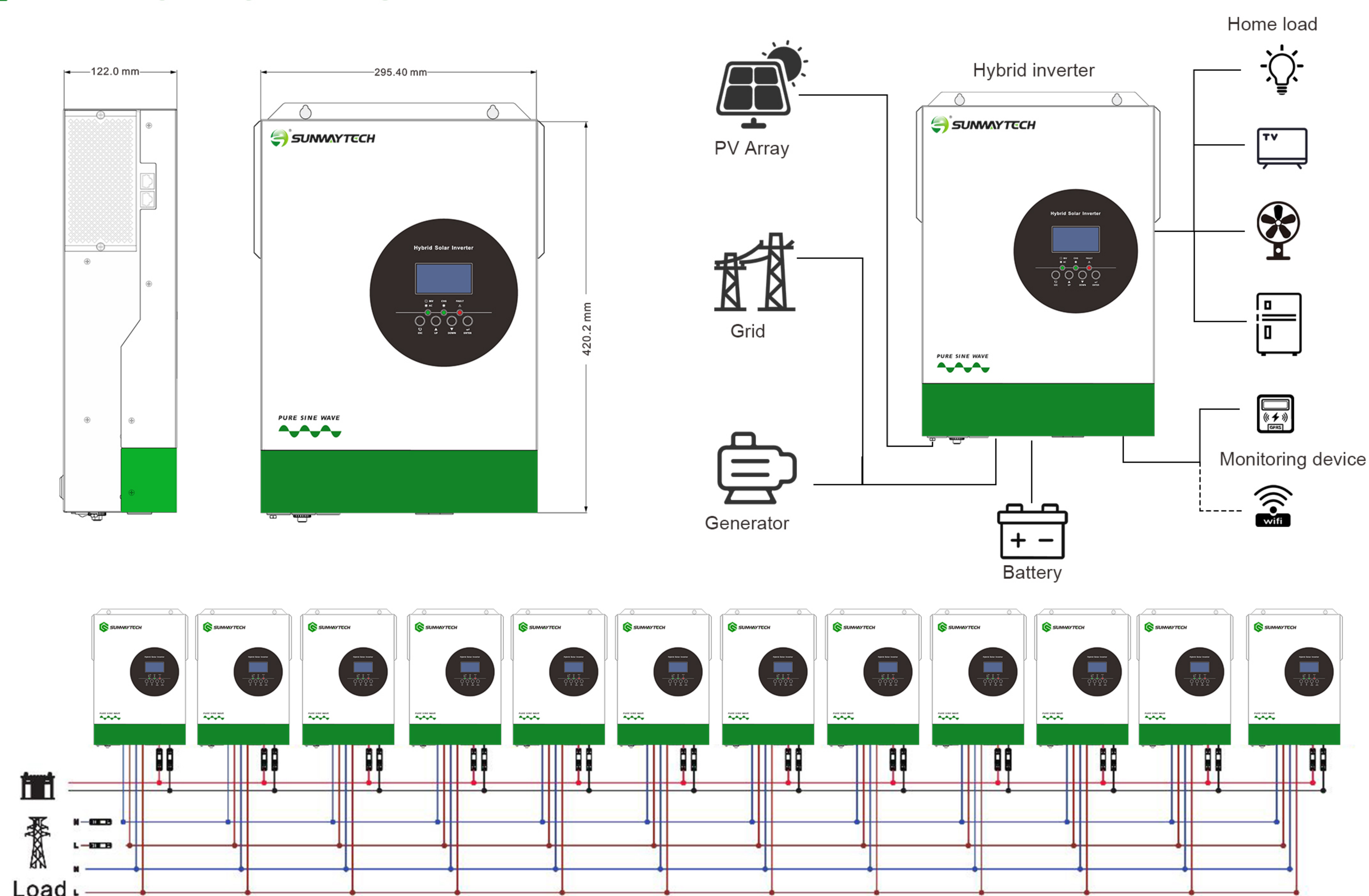


► MAIN FEATURES

- Pure sine wave solar inverter
- Output power factor 1
- High PV input voltage range
- Built-in MPPT solar controller
- Battery equalization function to optimize battery performance and extend lifecycle
- Inverter running without battery
- Built-in anti-dusk kit for harsh environment
- SK-5500P-48L parallel operation with up to 12 units support parallel in 1 phase/3 phase, support wireless parallel
- Support multiple output priority: UTL, SOL, SBU, SUB
- Wifi/GPRS remote monitoring
- RS485 communication for BMS (Optional)
- Detachable LCD



► APPLICATION DIAGRAM



► PARAMETERS

Model	SK-1500S-24	SK-3500S-24	SK-5500P-48L	SK-6200S-48L
Capacity	1500VA/1500W	3500VA/3500W	5500VA/5500W	6200VA/6200W
Battery type	Lead Acid		Lead Acid/LiFePO4	
Parallel Capability	No		Yes	No
Input				
Nominal Voltage	230VAC			
Acceptable Voltage Range	170-280VAC (For personal computer), 90-280VAC (For home appliances)			
Frequency	50Hz/60Hz (Auto sensing)			
Output				
Nominal Voltage	220/230VAC±5%			
Surge Power	3000VA	7000VA	11000VA	15000VA
Frequency	50/60Hz			
Wave Form	Pure sine wave			
Transfer Time	10ms (For personal computer), 20ms (For home appliances)			
Peak Efficiency (PV to INV)	96%			
Peak Efficiency (Battery to INV)	93%			
Overload Protection	5s@≥150% load; 10@110%~150% load			
Crest Factor	3:1			
Admissible Power Factor	0.6~1 (inductive or capacitive)			
Battery				
Battery Voltage	24VDC		48VDC	
Floating Charge Voltage	27VDC		54VDC	
Overcharge Protection	33VDC		63VDC	
Charge Method	CC/CV			
Solar Charge & AC Charge				
Solar Charge Type	MPPT			
Maximum PV Array Power	1500W	4000W	5500W	6500W
Maximum PV Array Open Circuit Vol.	160VDC	500VDC		
PV Array of MPPT Voltage Range	30VDC~160VDC	60VDC~500VDC		
Maximum Solar Input Current	8A	15A	18A	27A
Maximum Solar Charge Current	50A	100A	100A	120A
Maximum AC Charge Current	30A	80A	80A	80A
Maximum Charge Current	50A	100A	100A	120A
Physical				
Product Dimension (D*W*H mm)	448*295*129mm			
Package Size (D*W*H mm)	540*390*217mm			
Net Weight (kgs)	9KG		10KG	
Communication Interface	USB/Dry-contact		RS485/RS232/Dry-contact	
Environment				
Operation Temperature Range	-10°C~55°C			
Storage Temperature	-15°C~50°C			
Humidity	5% to 95% Relative Humidity (Non-condensing)			