

Solar +AC Hybrid Inverter



Solar Inverter Revolution
Minimize battery cost



SC-GA

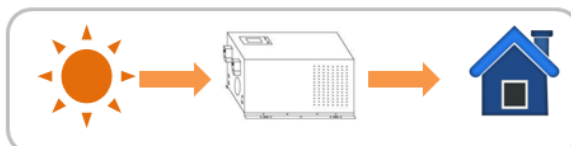
Solar+AC Hybrid Inverter (Pure Sine Wave Inverter With Built-in MPPT Controller)



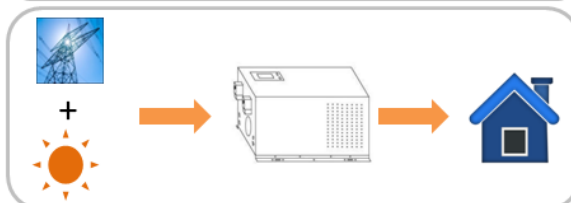
General Description:

SC-GA series is best solar inverter and severely demanded in the market. The inverters of this series make best use of solar energy and minimize the capacity of battery. Solar power and AC grid power can work together at the same time.

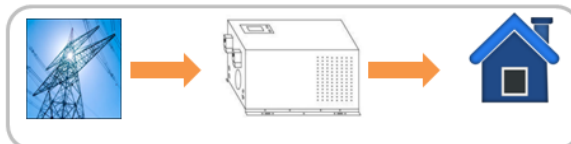
When solar is enough, solar supplies power for load.



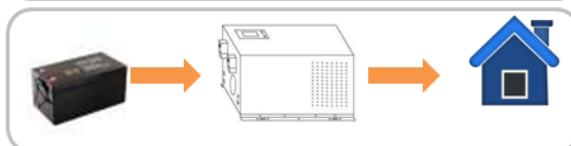
When solar is not enough, solar and AC grid supplies power for load



When no solar, AC grid supplies power for load



When no solar or AC grid, battery supplies power for load

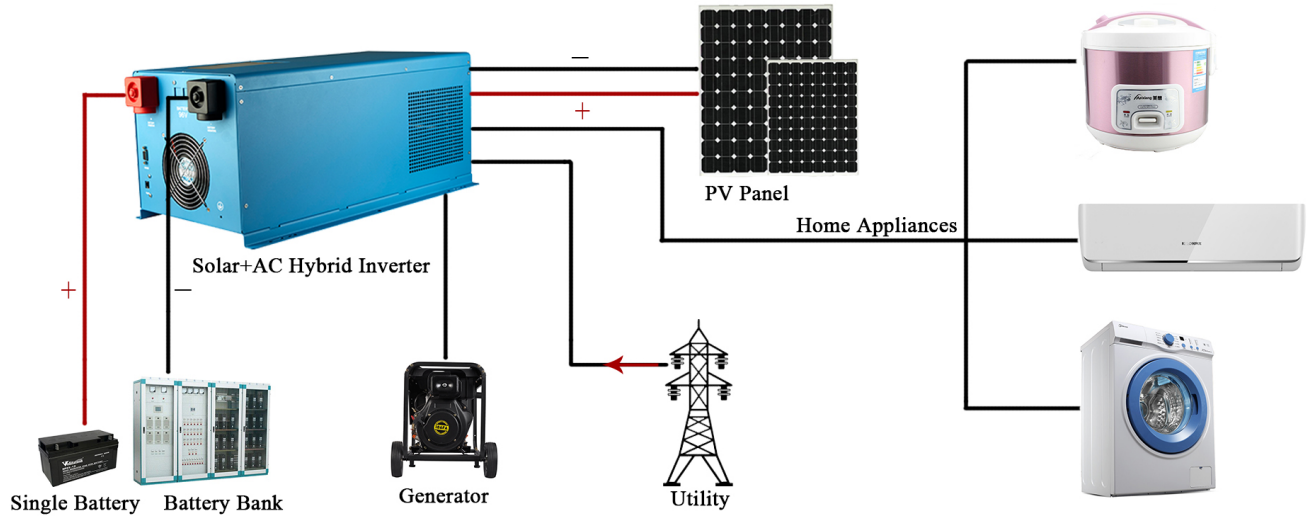


(When solar and AC grid are always available, we suggest to use small capacity battery.)

Features:

- Reduce dependence to battery quantity, minimize the battery cost.
- Solar power and AC grid power can work together at the same time
- Flexible choice of battery capacity
 - Solar and AC grid always available, just small size battery is for the system
 - AC grid is not always available, suggest to use big size battery for system

Solar+ AC Hybrid Inverter Connection



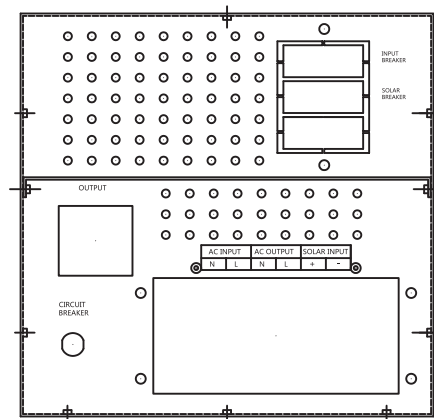
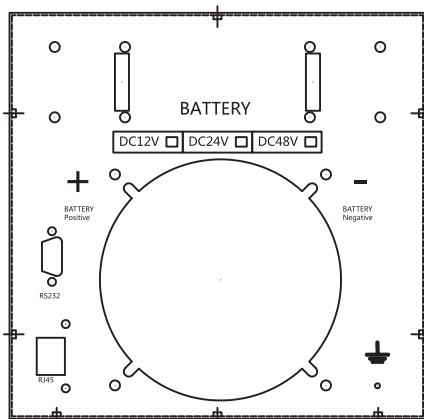
Big screen display



Normal LCD display



Panel



SC-GA

Solar+AC Hybrid Inverter

Parameter									
Series	1KVA	1.5KVA	2KVA	3KVA	4KVA	5KVA	8KVA	10KVA	
Rate Output Power	800W	1200W	1600W	2400W	3200W	4000W	6400W	8000W	
Capable of Starting Motor	500W	800W	1000W	1600W	2100W	2600W	4200W	5300W	
Surge Power	2400W	3600W	4800W	7200W	9600W	12KW	19.2KW	24KW	
Battery	12V/24V			24V/48V			48V/96V/192V		
Charging Parameter									
Charging Mode (Setting)	PV charge								
	PV charge + Utility charge								
MPPT Solar Controller	Voltage	12V/24V			24V/48V		48V/96V/192V		
	Current	20A	25A	30A	50A				
	Max PV Input Voltage	72V/144V					144V/220V/460V		
	PV Charge Efficiency	95% - 99%							
Utility	AC Charge Current	Continuous charge current 1~50A(adjustable by button on display)							
Inversion Parameter									
AC Output	Voltage	220V ±3% or 230V ±3% or 110V ±3%							
	Frequency	50Hz ± 0.5 or 60Hz ± 0.5							
Output Wave Type	Pure sine wave output, Total Harmonic Distortion THD≤3%								
Overload Protection	> 120% 1min, > 130% 10s								
Transfer Time	1~5kVA: <4ms; 6~10kVA: <1.5ms (AC to DC / DC to AC)								
Power Consumption (Under Normal Working Mode)	≤ 1A								
Conversion Efficiency	85% - 92%								
Utility Mode									
AC Input	145V~275V or 72V~137V 50HZ or 60HZ								
Auto Bypass & AVR	YES								
AC Output	220V ±3% or 230V ±3% or 110V ±3%								
Priority									
Output Mode Setting	Solar+battery first, AC standby								
	Solar +AC first, battery standby								
General Parameter									
Communication Port	RS232/USB								
Humidity	0~90% relative humidity(non-condensing)								
Noise	<45dB								
Display Information	Input voltage, output voltage, output frequency, battery capacity, load condition, status information								
Protection	Overload, Short-circuit, High-voltage input, Low-voltage input, Overheat								
Size: W*D*H ((mm))	418*208*193.2			458*210*216			542.5*294*240.7		
Net Weight (kgs)	15.5	17.6	19.5	21.5	23.5	26.5	34.5	41.5	
The specification is only for reference. Subject to change without prior notice.									