

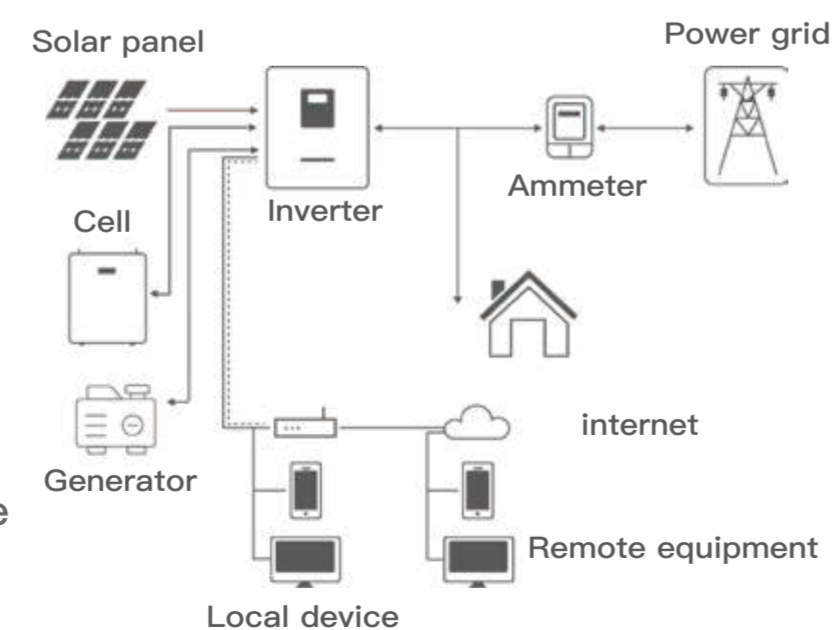
SC-MAX 8KW/11KW Series

Off-Grid Solar Inverter



Product characteristics

- Hybrid off-grid inverter, photovoltaic, battery access, compatible generators
- DPS digital control technology, double transform online design, using input PFC technology, input power up to 0.99, efficient inverter topology, higher output efficiency
- Intelligent charger design to optimize battery performance
- Mains/photovoltaic/battery/multi-mode optimal output
- Built-in air filter kit for harsh environments
- The control screen can be moved, built-in Wifi module
- Mobile remote monitoring, Android/IOS APP
- Support BMS communication to ensure safe and reliable operation of lithium batteries
- Supports battery cold start
- Supports a maximum of 6 parallel machines



SPECIFICATION

MODEL	SC-MAX 8KW	SC-MAX 11KW
Rated power	8000VA	11000VA
Ac input		
Voltage	230VAC	230VAC
Voltage range	170-280Vac(applicable to personal computer) 90-280Vac (applicable to household appliances)	170-280Vac(applicable to personal computer) 90-280Vac (applicable to household appliances)
Frequency range	50 Hz/60 Hz	50 Hz/60 Hz
Pv input		
Maximum photovoltaic array power	8000W	11000W
Maximum open circuit voltage of photovoltaic array	500VDC	500VDC
MPPT @ working voltage range	90VDC-450VDC	90VDC-450VDC
Rated voltage	240V	360V
Starting voltage	80V+/-5VDC	80V+/-5VDC
MPPT quantity	2	2
Maximum input current	18A*2	18A*2
MPPT efficiency		
Output parameter		
Voltage	230V±5%	230V±5%
Frequency	50HZ	50HZ
Efficiency	93%	93%
Maximum output power	8KW	11KW
Conversion time	10ms (modeIUPS) 20ms (Household appliance)	10ms (modeIUPS) 20ms (Household appliance)
Harmonic wave	≤3	≤3
Overload capacity	5s@≥150%load;10s@110%-150%load	5s@≥120%load;10s@105%-120%load
Mains mode		
Voltage	230Vac±5%	230Vac±5%
Frequency	50HZ	50HZ
Efficiency	95% (Resistive load, full battery)	95% (Resistive load, full battery)
battery		
Battery voltage	48V	48V
Charging mode	Three-stage charging	Three-stage charging
Maximum charging current	120A	120A
Cold start voltage	46VDC	46VDC
Battery type	Lead-acid, AGM, lithium battery	Lead-acid, AGM, lithium battery
screen		
Battery management function	RS232,RS485,CAN	RS232,RS485,CAN
Parallel function	Maximum parallel number 6	Maximum parallel number 6
Communication interface	USB,RS232,WIFI,Dry contact	USB,RS232,WIFI,Dry contact
Protection function	Output short circuit, overload overtemperature protection function	Output short circuit, overload overtemperature protection function
Working environment		
Operating temperature	-10℃-50℃	-10℃-50℃
Storage temperature	-15℃-60℃	-15℃-60℃
Relative humidity	5%-95%	5%-95%
physics		
size (D/W/H)	144x420x590mm	144x420x590mm
Net weight(KG)	19	19
Executive standard	CE	CE