

Off Grid Solar Inverter

SC200 - 3K/5K

Features



- Pure sine wave solar inverter
- Selectable high power charging current



- Wide DC input range
- Selectable input voltage range for home appliances and personal computers



- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power



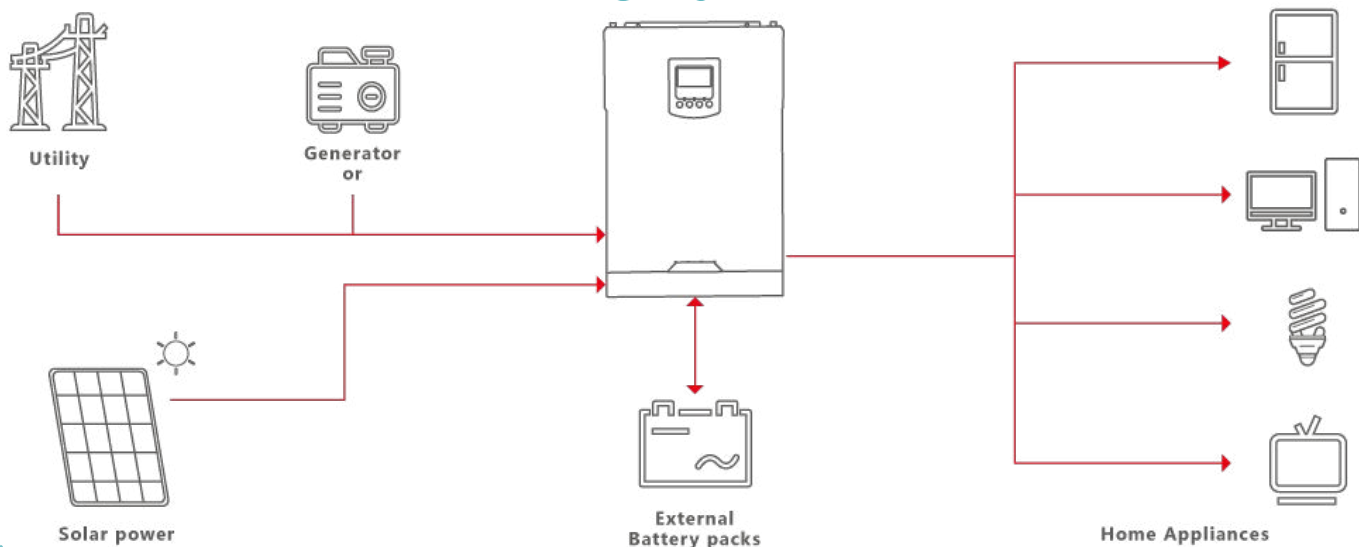
- Auto restart while AC is recovering
- Overload and short circuit protection



- Smart battery charger design for optimized battery performance
- Cold start function

Product Application

Chart



Product Model and Technical parameters

MODEL	SC200-3024	SC200-5048
Rated Power	3000VA/3000W	5000VA/5000W
Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (For Computers)	
	90-280 VAC (For Home Appliances)	
Frequency Range	50Hz/60Hz(Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC \pm 5%	
Surge Power	6000VA	10000VA
Efficiency (Peak)	220Vac/230Vac	
Output frequency	93%	
Transfer Time	10 ms (For Personal Computers);20 ms (For Home Appliances)	
Waveform	Pure Sine Wave	
BATTERY		
Solar Charger Type	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger type	MPPT	
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum PV Array Power	4000W	5000W
MPP Range @ Operating Voltage	120-450 VDC	
Maximum Solar Charge Current	100A	
Maximum AC Charge Current	100A	
Maximum Charge Current	100A	
PHYSICAL		
Dimension, D X W X H (mm)	100 x 300 x 440	
Net Weight (kgs)	9	10
Communication Interface	USB/RS232 (optional USB/Dry contact)	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	