

Off Grid Solar Inverter

SCP200 - 5K/6K



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



- Auto restart while AC is recovering
- Compatible to mains voltage or generator power



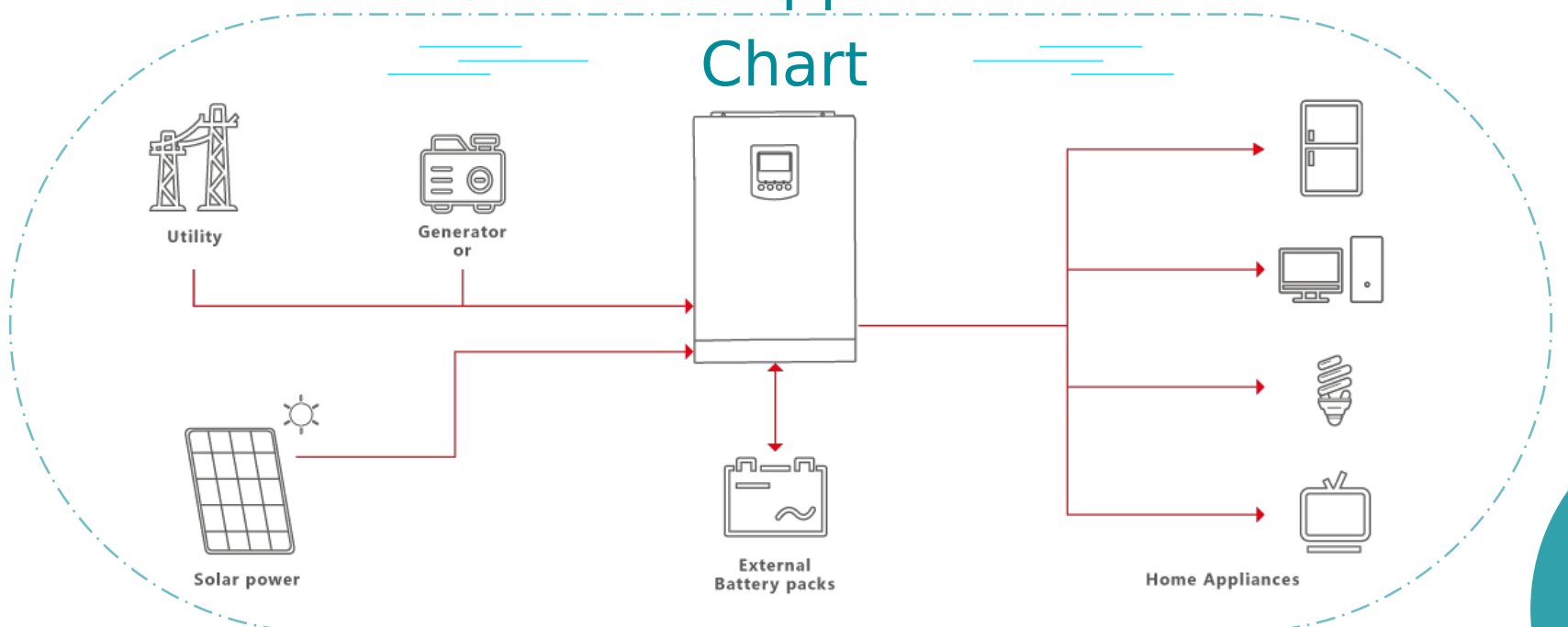
- Cold start function
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance



- Parallel operation with up to 9 units
- Dual outputs selected as either programmable output or generator input

Product Application

Chart



Product Model and Technical parameters

MODEL	SCP200-5048	SCP200-5048
Rated Inverter Power	5000VA/5000W	6000VA/6000W
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)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC \pm 5%	
Overload capacity	5s@ \geq 150% load; 10s@110%~150% load; 100ms @ \geq 200% load	
Efficiency (Peak)	90%	
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
Dual Outputs	Yes	
BATTERY		
Battery Voltage	48 VDC	
Floating Charge Voltage	54 VDC	
Overcharge Protection	66 VDC	
SOLAR CHARGER & AC CHARGER		
Solar Charger type	MPPT	
Maximum PV Array Power	4500W	6000W
MPPT Range @ Operating Voltage	120 ~ 430 VDC	
Maximum PV Array Open Circuit Voltage	450 VDC	500 VDC
Maximum Solar Charge Current	100A	120A
Maximum AC Charge Current	100A	120A
Maximum Charge Current	100A	120A
PHYSICAL		
Dimension, D X W X H (mm)	120 x 295 x468	
Net Weight (kgs)	11.0	
Communication Interface	USB and RS232	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	