

Off Grid Solar Inverter

SCP400 - 8K/10K



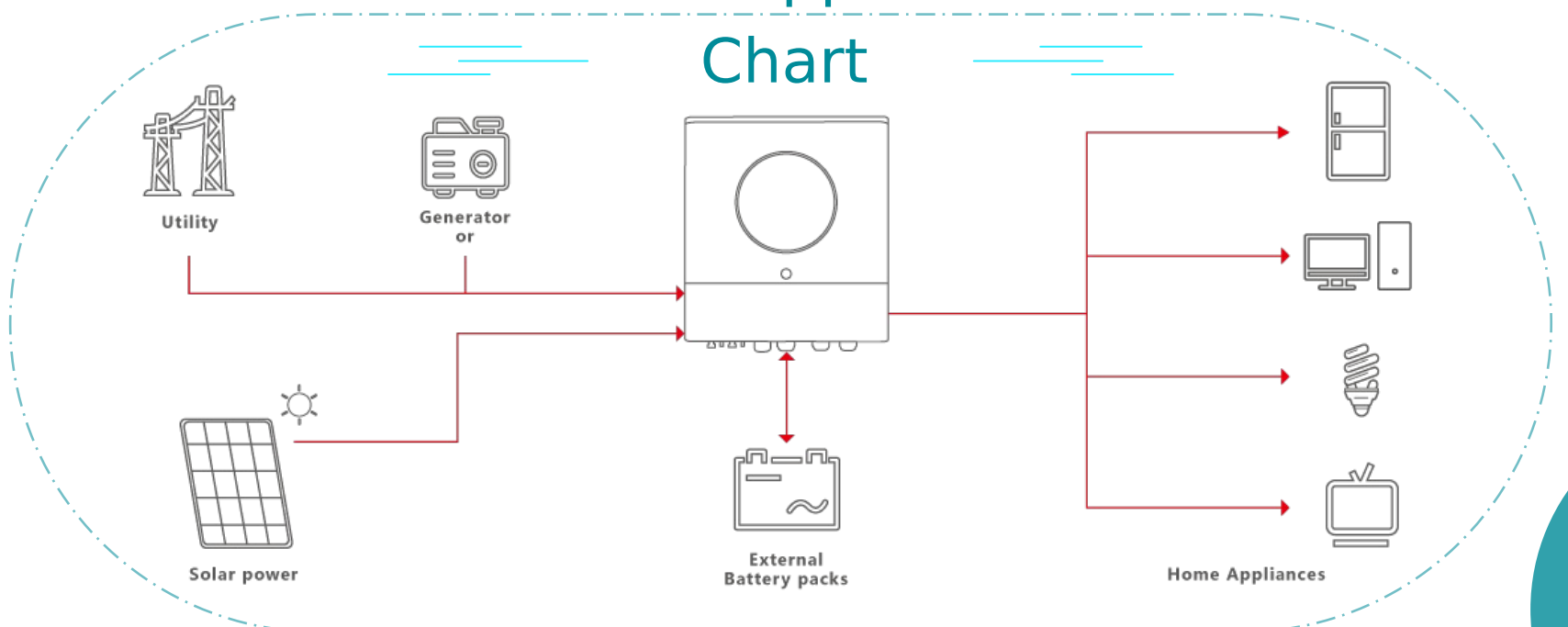
Features



- Status indication with RGB lights
- Supports USB On-the-Go function
- Built-in Wi-Fi for mobile monitoring (Android/iOS App is available)
- Selectable high power charging current
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Replaceable fan design for ease of maintenance
- Battery independent design
- Configurable AC/PV output usage timer and prioritization
- Selectable input voltage range for home appliances and personal computers
- Compatible to Utility Mains or generator input
- Built-in anti-dust kit
- Built-in DC output for DC fan, LED bulb, router and so on.
- Parallel operation with 6 units
- Dual outputs selected as either programmable output or generator input

Product Application

Chart



Product Model and Technical parameters

MODEL	SG400-8K48	SG400-10K48
Rated Inverter Power	8000VA/8000W	10000VA/10000W
PARALLEL CAPABILITY	YES,6units	
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	16000VA	20000VA
Efficiency (Peak)	220Vac/230Vac	
Output frequency	93%	
Transfer Time	15 ms (For Personal Computers), 20 ms (For Home Appliances)	
Waveform	Pure Sine Wave	
No Load Power Consumption	<75W	<70W
DC Voltage	12 VDC \pm 5%, 100W	
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	8000W (4000W x 2)	10000W (5000W x 2)
MPPT Range @ Operating Voltage	90 ~ 450 VDC	
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum Solar Charge Current	150A	
Maximum AC Charge Current	120A	150A
Maximum Charge Current	150A	
PHYSICAL		
Dimension, D X W X H (mm)	158.4 x 503.6 x 530.8	
Net Weight (kgs)	20	
Communication Interface	USB/RS232/RS485/WIFI/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	
STANDARD		
Compliance Safety	CE	