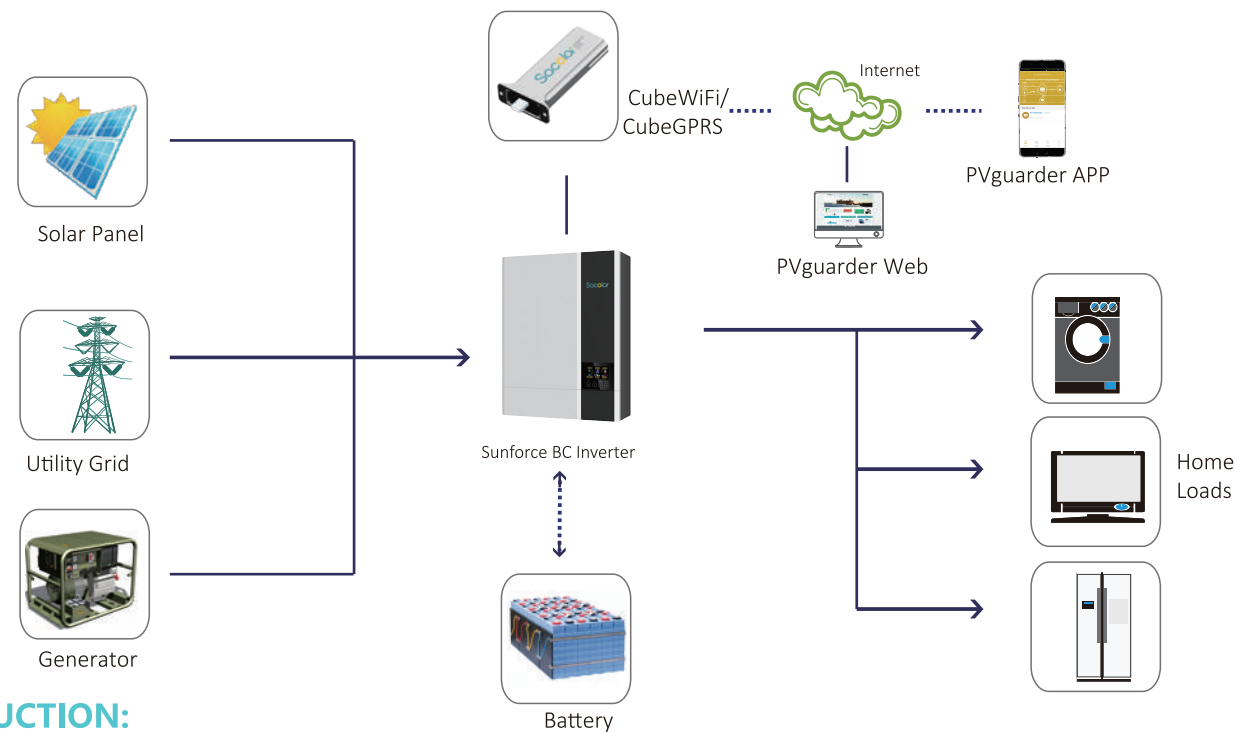


Sunforce BC Series

High Frequency Off-Grid Solar Inverter

MAIN FEATURES:

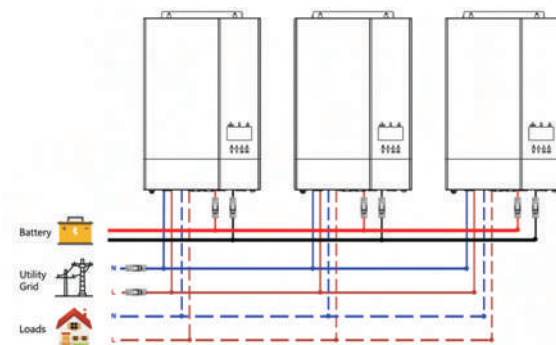
- ➔ Rated power 3KW / 5KW, power factor 1
- ➔ Built-in MPPT, MPPT voltage range 120V~430Vdc
- ➔ Pure sine wave AC output
- ➔ Solar and utility joint to power the loads
- ➔ With the ability to work with or without battery
- ➔ Parallel operation up to 6 units (optional)
- ➔ WIFI/ GPRS remote monitoring (optional)
- ➔ CAN/ RS485 communication for BMS (optional)



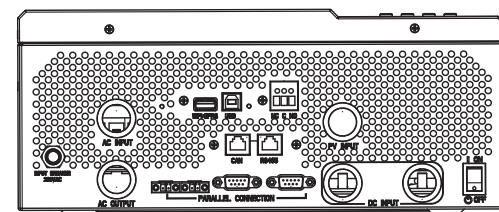
INTRODUCTION:

Sunforce BC series off grid solar inverter is integrated with a MPPT solar charge controller, a high frequency pure sine wave inverter and a UPS function module in one machine. This inverter can work with or without batteries.

Sunforce BC 5KW can be wired in parallel to increase the output capacity. With Sacolar monitoring accessory, the whole system status can be monitored anytime anywhere.



PARALLEL CONNECTION



BOTTOM VIEW

High Frequency Solar Inverter

SPECIFICATION

Model	Sunforce-BC 3000	Sunforce-BC 5000
Rated Power	3000VA/3000W	5000VA/5000W
System DC voltage	24VDC	48VDC
Parallel Option	Yes, up to 6 units	Yes, up to 6 units
Monitoring Option	WiFi or GPRS	WiFi or GPRS
Inverter Output		
AC Voltage	220V-230V-240VAC	220V-230V-240VAC
Surge Power	6000VAC	10000VAC
Peak Efficiency	93%	93%
Transfer Time	10ms (For Personal Computers); 20ms (For Home Appliances)	
Waveform	Pure Sine Wave	Pure Sine Wave
Solar Charger & AC Charger		
Max. PV Array Open Circuit Voltage	450Vdc	450Vdc
Max. PV Array Power	3500W	5500W
Operating Voltage MPPT Range	120~430Vdc	120~430Vdc
Battery Overcharge Protection	30Vdc	60Vdc
Max. Solar Charge Current	100A	100A
Max. AC Charge Current	80A	80A
Max. Charge Current	100A	100A
Physical		
Dimension	470x320x135mm	470x320x135mm
Weight	12Kg	12Kg
Communication Interface	USB/CAN/RS485	USB/CAN/RS485
Environment		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	0°C~50°C	0°C~50°C
Storage	-15°C~60°C	-15°C~60°C

