

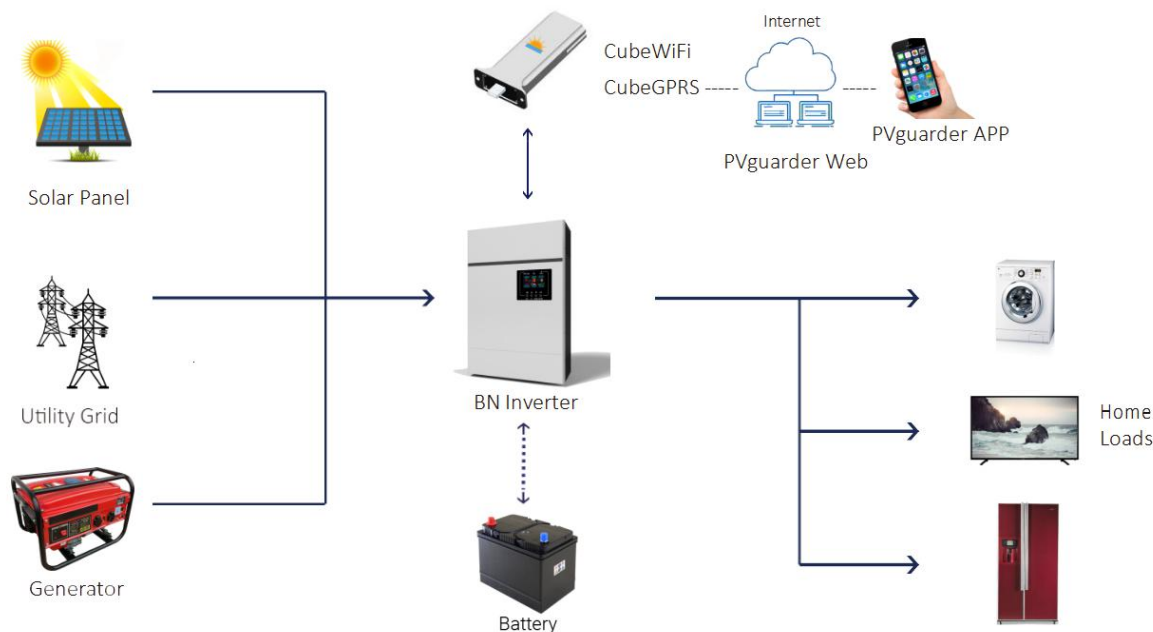


# BN Series

## High Frequency Off-Grid Solar Inverter

### MAIN FEATURES:

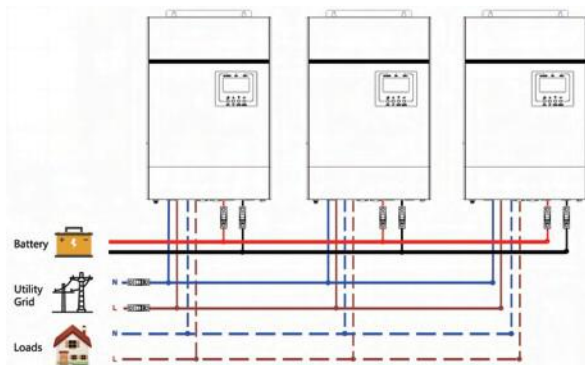
- Rated power 3.5KW / 5KW, power factor 1
- Built-in MPPT, MPPT voltage range 120V~430Vdc
- Pure sine wave AC output
- Solar and utility joint to power the loads
- With the ability to work with or without battery
- Parallel operation up to 6 units
- WIFI/ GPRS remote monitoring
- CAN/ RS485 communication for BMS



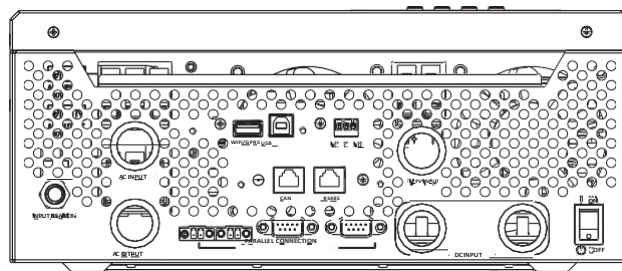
### INTRODUCTION:

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

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



PARALLEL CONNECTION



BOTTOM VIEW

# High Frequency Solar Inverter

## SPECIFICATION

Model	BN-3.5KW	BN-5KW
Rated Power	3500VA/3500W	5000VA/5000W
System DC voltage	48VDC	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	7000VA	10000VA
Peak Efficiency	93%	93%
Transfer Time	10ms (For Personal Computeis); 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	4500W	6000W
Operating Voltage MPPT Range	120~430Vdc	120~430Vdc
Battery Overcharge Protection	60Vdc	60Vdc
Max. Solar Charge Current	80A	100A
Max. AC Charge Current	60A	80A
Max. Charge Current	80A	100A

### Physical

Dimension	470x320x135mm	470x320x135mm
Net Weight	11.5Kg	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

