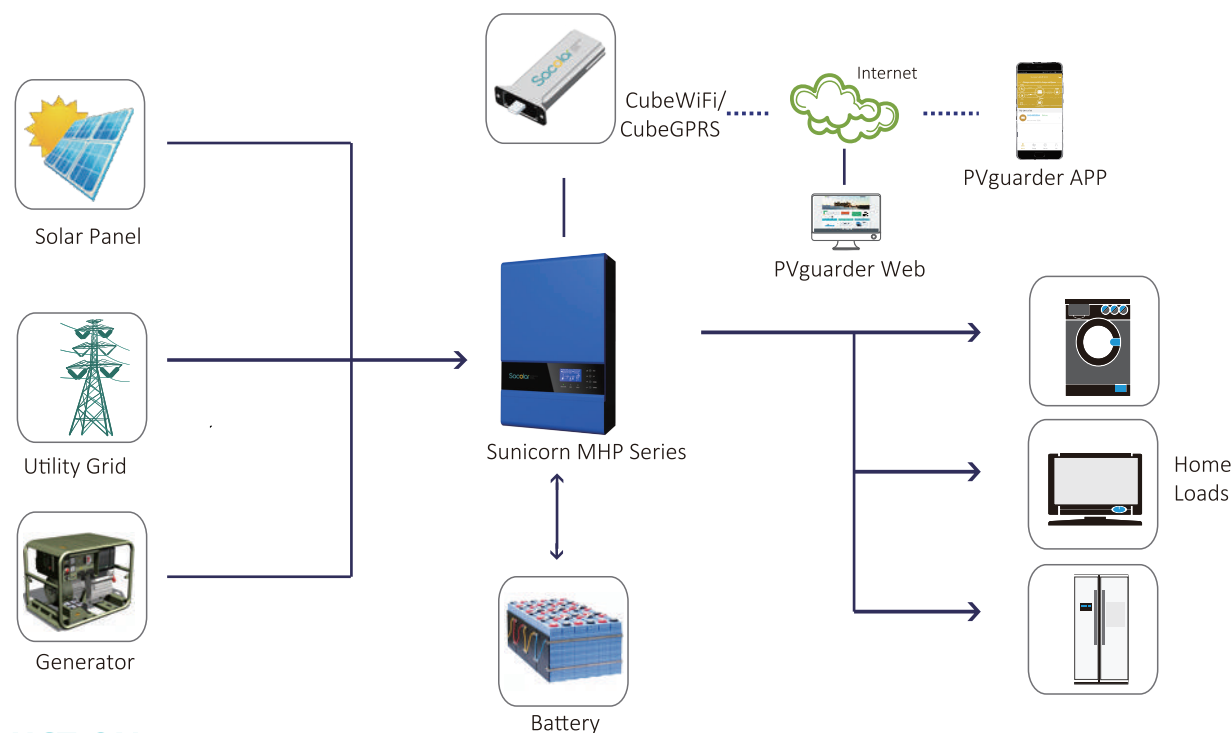


## Sunicorn MHP Series High Frequency Off-Grid Solar Inverter

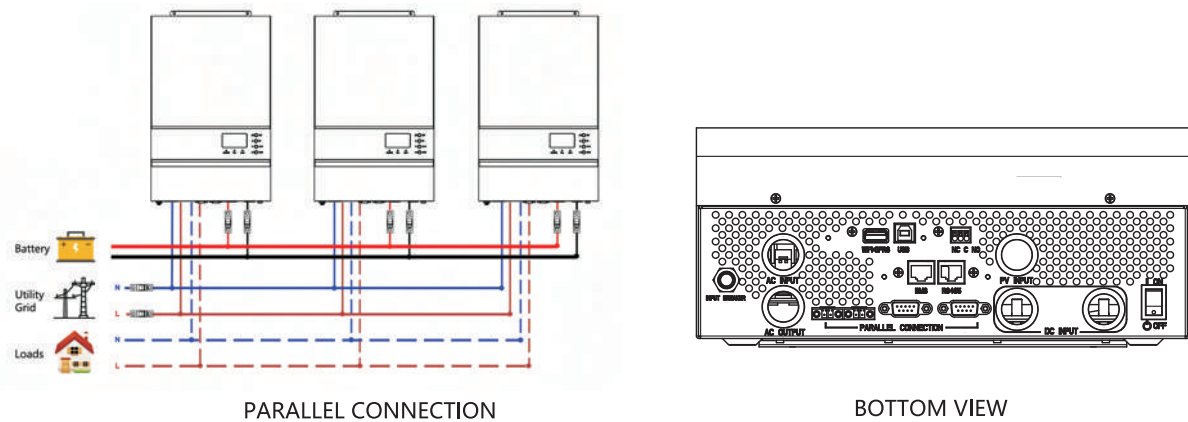
### MAIN FEATURES:

- Rated power 2KW ~ 5KW, power factor 1
- Built-in MPPT solar charge controller
- High frequency inverter with compact design
- Pure sine wave AC output
- Configurable AC/ solar input priority via LCD setting
- WiFi/ GPRS remote monitoring (optional)
- RS485 communication for BMS (optional)
- Parallel operation up to 6 units for Sunicorn MHP 4KW/5KW (optional)



### INTRODUCTION:

Sunicorn MHP series off grid solar inverter, which is integrated with a MPPT/PWM solar controller, a high frequency pure sine wave inverter and a UPS function module in one machine. This multifunction design makes the Sunicorn Series inverter playing an important role in the off grid power.



### SPECIFICATION

Model	Sunicorn-MHP 2KW	Sunicorn-MHP 3KW	Sunicorn-MHP 4KW	Sunicorn-MHP 5KW
Battery Voltage	24 VDC/48 VDC	24 VDC/48 VDC	48 VDC	48 VDC
Monitoring Option	WiFi or GPRS	WiFi or GPRS	WiFi or GPRS	WiFi or GPRS
<b>INVERTER OUTPUT</b>				
RATED POWER	2000VA/ 2000W	3000VA/3000W	4000VA/ 4000W	5000VA/ 5000W
Parallel Capability	No	No	Yes, 6units	Yes, 6units
AC Voltage Regulation (Batt.Mode)	230VAC ± 5% @ 50/60Hz	230VAC ± 5% @ 50/60Hz	230VAC ± 5% @ 50/60Hz	230VAC ± 5% @ 50/60Hz
Surge Power	4000VA	6000VA	8000VA	10000VA
Efficiency (Peak)	93%	93%	93%	93%
Waveform				

### MPPT SOLAR CHARGER

Maximum PV Array Power	1500W@24V/1800W@48V	1500W@24V/1800W@48V	4500W	4500W
MPPT Range @ Operating Voltage	30~80VDC@24V/ 60~115VDC@48V	30~80VDC@24V/ 60~115VDC@48V	60VDC ~115VDC	60VDC ~115VDC
Maximum PV Array Open Circuit Voltage	102VDC@24V/145VDC@48V	102VDC@24V/145VDC@48V	145VDC	145VDC
Maximum Solar Charge Current	50A@24V/30A@48V	50A@24V/30A@48V	80A	80A
Maximum Efficiency	98%	98%	98%	98%

### AC CHARGER

Max. AC Charge Current	30A@24V/15A@48V	30A@24V/15A@48V	60A	60A
AC Input Voltage	230 VAC	230 VAC	230 VAC	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)			

### AC BYPASS

Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)
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### PHYSICAL

Dimension, D x W x H (mm)	385 x280x130	385 x280x130	455 x 295 x 130	455 x 295 x 130
Net Weight (kgs)	7	7.5	11	11.5

### OPERATING ENVIRONMENT

Humidity	5% to 95% Relative Humidity(Non-condensing)			
Operating Temperature	0°C - 55°C	0°C - 55°C	0°C - 55°C	0°C - 55°C
Storage Temperature	-15°C - 60°C	-15°C - 60°C	-15°C - 60°C	-15°C - 60°C