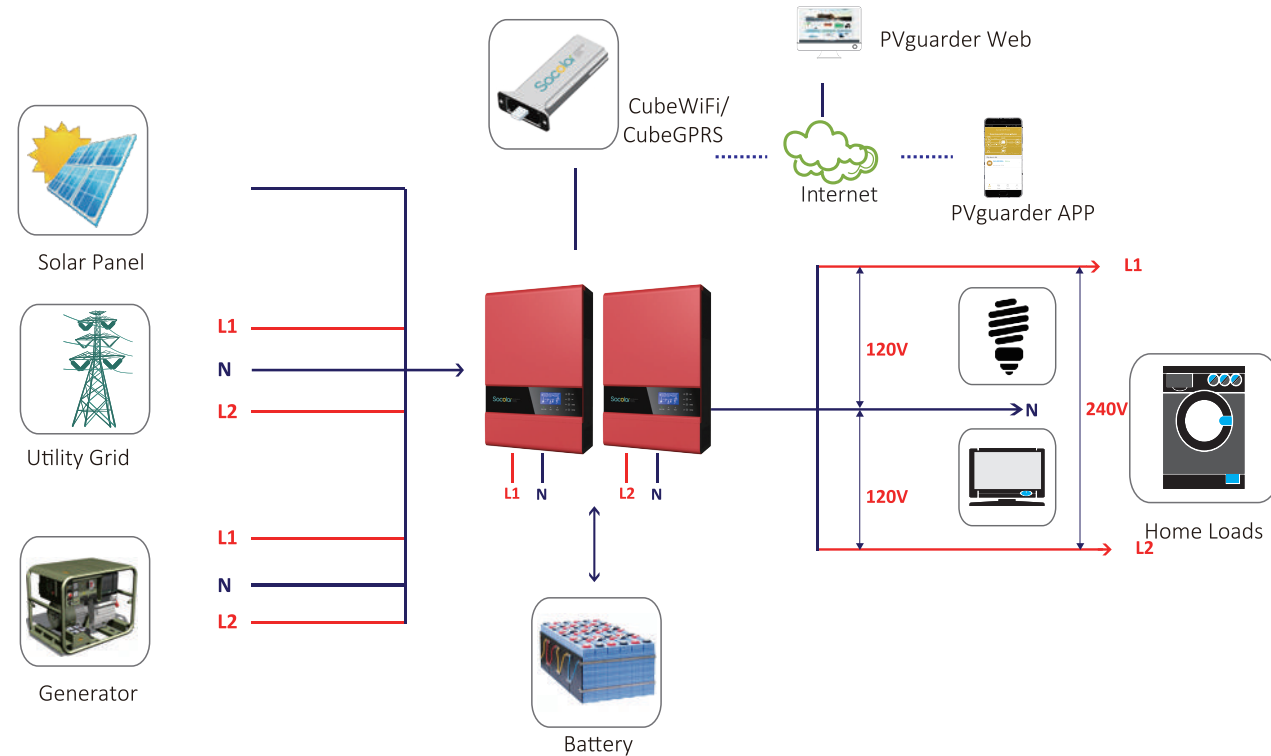


## Sunicorn MHP Series 120Vac Off-Grid Solar Inverter

### MAIN FEATURES:

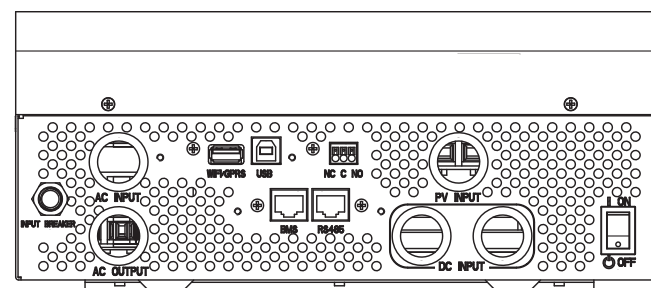
- ➔ Rated power 3KW, power factor 1
- ➔ Built-in MPPT solar charge controller
- ➔ High frequency inverter with compact design
- ➔ Pure sine wave AC output
- ➔ 2 units can parallel as split phase 120V/240V
- ➔ Parallel operation up to 6 units
- ➔ WIFI/ GPRS remote monitoring (optional)
- ➔ RS485 communication for BMS (optional)



### INTRODUCTION:

This is a multifunctional off grid solar inverter, integrated with a MPPT solar charge controller, a high frequency pure sine wave inverter and a UPS function module in one machine, which is perfect for off grid backup power and self-consumption applications.

The inverter is with 120V output, can parallel using 2 units to make split phase 120V/240V.



BOTTOM VIE

### SPECIFICATION

Model	Sunicorn-MHP 3000LV-24	Sunicorn-MHP 3000LV-48
RATED POWER	3000VA/ 3000W	3000VA/ 3000W
System DC voltage	24 VDC	48 VDC
Split phase operation	Yes, need at least 2 units parallel	Yes, need at least 2 units parallel
Parallel operation	Up to 6 units	Up to 6 units
Monitoring Option	WiFi or GPRS	WiFi or GPRS

### OUTPUT

AC Voltage	110/120AC	110/120AC
Peak Efficiency	93%	93%
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)	
Waveform	Pure Sine Wave	Pure Sine Wave

### Solar Charger & AC Charger

Max. PV Array Open Circuit Voltage	145V	145V
Max. PV Array Power	4500W	4500W
Operating Voltage MPPT Range	60~115Vdc	60~115Vdc
Max. Solar Charge Current	80A	80A
AC Input Voltage Range	65~140 VAC	65~140 VAC
Frequency Range	50Hz/60Hz	50Hz/60Hz
Max. AC Charge Current	60A	40A
Max. Charge Current (PV + AC)	140A	120A

### PHYSICAL

Demension	455 x 295 x 130mm	455 x 295 x 130mm
Weight	11.5kg	11.5kg
Communication Interface	USB/RS485	USB/RS485

### ENVIRONMENT

Humidity	5% to 95% Relative Humidity(Non-condensing)	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	0°C ~ 50°C	0°C ~ 50°C
Storage Temperature	-15°C - 60°C	-15°C - 60°C