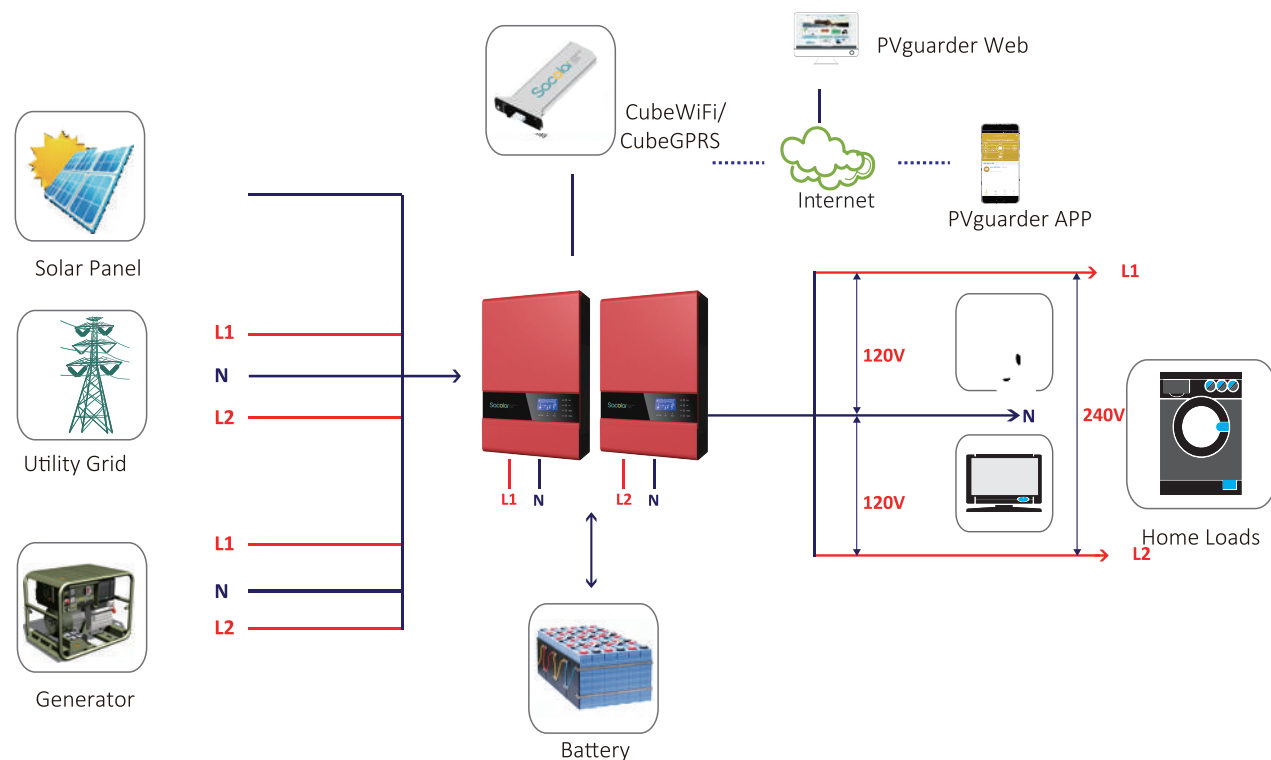


Sunicorn MHP Series 120Vac Off-Grid Solar Inverter

MAIN FEATURES:

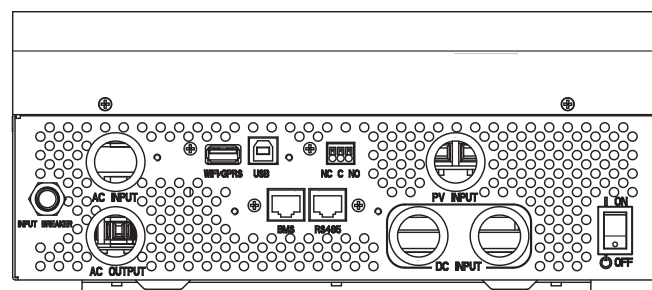
- ➔ Rated power 3KW, power factor 1
- ➔ Built-in MPPT solar charge controller
- ➔ High frequency inverter with compact design
- ➔ Pure sine wave AC output
- ➔ 2 units can parallel as split phase 120V/240V
- ➔ Parallel operation up to 6 units
- ➔ WIFI/ GPRS remote monitoring (optional)
- ➔ RS485 communication 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 | 2000W | 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 |