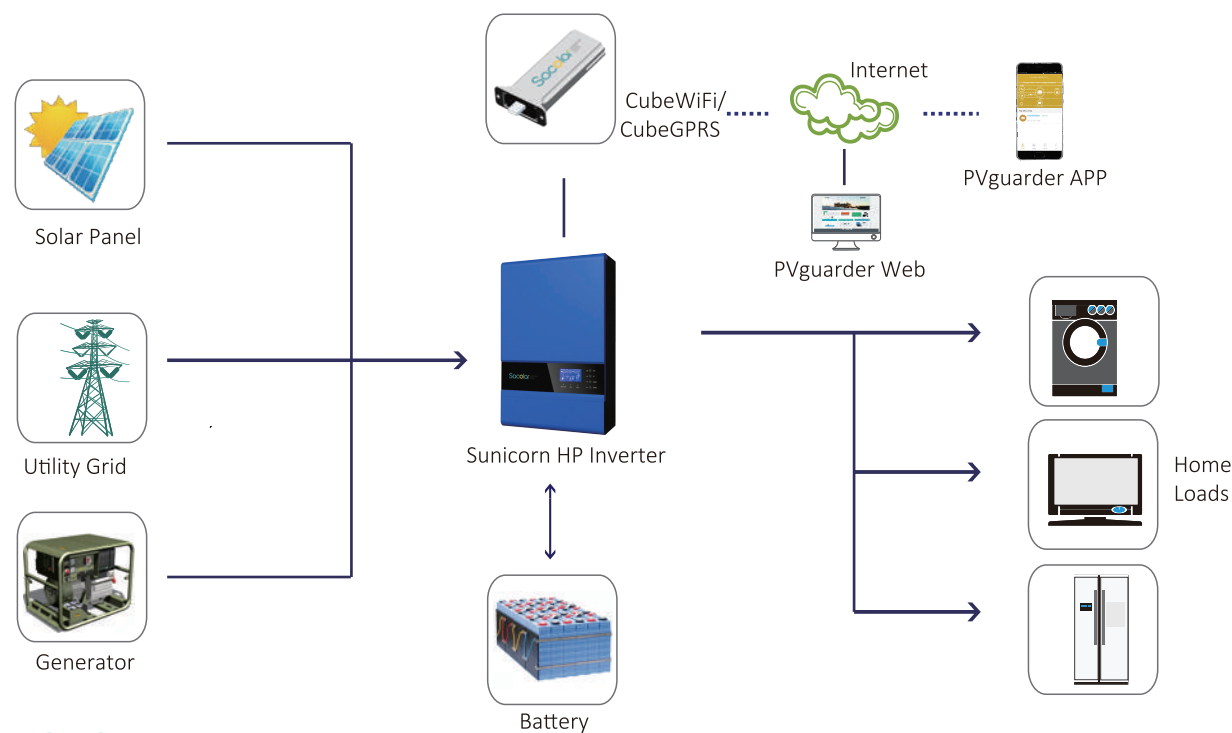


Sunicorn HP Series High Frequency Off-Grid Solar Inverter

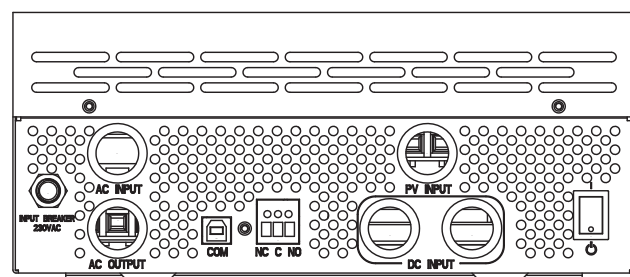
MAIN FEATURES:

- ➔ Rated power 2KW / 3KW, power factor 1
- ➔ Built-in PWM solar charge controller
- ➔ High frequency inverter with compact design
- ➔ Pure sine wave AC output
- ➔ Overload, short circuit and deep discharge protection
- ➔ Configurable AC/ solar input priority via LCD setting
- ➔ Compatible to mains voltage or generator power



INTRODUCTION:

Sunicorn HP series inverter is a multi-functional inverter/charger, combining functions of inverter, solar charger and battery charger to offer uninterrupted power support with portable size.



BOTTOM VIEW

SPECIFICATION

Model	Sunicorn-HP 2KW	Sunicorn-HP 2KW-48	Sunicorn-HP 3KW	Sunicorn-HP 3KW-48
RATED POWER	2000VA/ 2000W	2000VA/ 2000W	3000VA/ 3000W	3000VA/ 3000W
Battery Voltage	24 VDC	48 VDC	24 VDC	48 VDC

INVERTER OUTPUT

	Sunicorn-HP 2KW	Sunicorn-HP 2KW-48	Sunicorn-HP 3KW	Sunicorn-HP 3KW-48
Voltage	220VAC/230VAC/240VAC	220VAC/230VAC/240VAC	220VAC/230VAC/240VAC	220VAC/230VAC/240VAC
Surge Power	4000VA	4000VA	6000VA	6000VA
Efficiency (Peak)	93%	93%	93%	93%
Waveform	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave

PWM SOLAR CHARGER & AC CHARGER

Maximum PV Array open Circuit Voltage	60VDC	90VDC	60VDC	90VDC
Maximum PV Array Power	1500W	3000W	1500W	3000W
Maximum Solar Charge Current	50A	50A	50A	50A
AC Input Voltage	170-280 VAC (For Personal Computers); 90-280 VAC (For Home Appliances)			
Frequency Range	50 Hz/60 Hz (Auto sensing)			
Maximum AC Charge Current	30A	15A	30A	15A
Maximum Charge Current (PV + AC)	80A	65A	80A	65A

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)	380 x 265 x120	380 x 265 x120	380 x 265 x120	380 x 265 x120
Net Weight (kgs)	7.5	7.5	7.5	7.5

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