

Sunicorn MHP Series

High Frequency Off-Grid Solar Inverter

MAIN FEATURES

- ▶ Rated power 2KW~5KW, power factor 1.0
- ▶ 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
- ▶ RS485/CAN communication for BMS
- ▶ Parallel operation up to 6 units for 4KW/5KW



SPECIFICATION

Model	Sunicorn-MHP 3000-24	Sunicorn-MHP 3000-48	Sunicorn-MHP 5000
Battery Voltage	24 VDC	48 VDC	48 VDC
Monitoring Option	WiFi/GPRS		
Inverter Output			
Rated Power	3000VA/ 3000W	3000VA/ 3000W	5000VA/ 5000W
Parallel Capability	No	No	Yes, 6 units
AC Voltage Regulation (Battery Mode)	230VAC \pm 5% @ 50/60Hz		
Surge Power	6000VA	6000VA	10000VA
Efficiency (Peak)	93%		
Waveform	Pure Sine Wave		
Mppt Solar Charger			
Maximum PV Array Power	1500W	1800W	4500W
MPPT Range @ Operating Voltage	30VDC ~ 80VDC	60VDC ~115VDC	60VDC ~115VDC
Maximum PV Array Open Circuit Voltage	102VDC	145VDC	145VDC
Maximum Solar Charge Current	50A	30A	80A
Maximum Efficiency	98%		
AC Charger			
Max. AC Charge Current	30A	15A	60A
AC Input Voltage	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)		
Physical			
Dimension, D x W x H (mm)	385 x 280 x 130		455x295x130
Net Weight (kg)	7.5		11.5
Operating Environment			
Humidity	5% to 95% Relative Humidity(Non-condensing)		
Operating Temperature	0 $^{\circ}$ C - 55 $^{\circ}$ C		
Storage Temperature	-15 $^{\circ}$ C - 60 $^{\circ}$ C		