

Sunforce 1.5 Series

High Frequency Off-Grid Solar Inverter

MAIN FEATURES

- ▶ Rated power at 6KW
- ▶ 500Voc high PV input voltage
- ▶ Max PV. array power 8000watt
- ▶ ATS built-in to switch automatically between grid and generator
- ▶ Built-in anti-dusk kit for harsh environment
- ▶ MC4 PV input connector
- ▶ WiFi/GPRS monitor (optional)
- ▶ With the ability to work with or without battery
- ▶ RS485/CAN for lithium battery BMS
- ▶ Parallel up to 6 units (support 1 phase & 3 phase)



SPECIFICATION

Model	M6000HX-48-BP
Rated Power	6KVA/6KW
System DC Voltage	48Vdc
Parallel Option	Yes, up to 6 units
Monitoring Option	WiFi/GPRS
Inverter Output	
AC Output	220V-230V-240VAC
Surge Power	12000VA
Peak Conversion Efficiency	94%
Transfer Time	10ms (for personal computers) 20ms (for home appliances)
Waveform	Pure sine wave
Self Consumption at 0 Load	< 70watt
Solar Charger	
Type of PV Array Input Terminal	MC4
Max. PV Array Open Circuit Voltage	500Voc
Max. PV Input Current/Per String	16A
Number of PV Array Input	2 Strings
Max. PV Array Power	Each String: 4000watt; Total 8000watt
MPPT Working Range	120-450VDC
Battery Overcharge Protection	60VDC
Max Solar Charge Current	100A
AC Charger (Grid/Generator)	
Max.Grid Charge Current	80A
Max.(AC+PV) Charge Current	100A
Protection	Overload, Short circuit, Overcurrent,Overvoltage, Undervoltage, Over-Frequency, Under-Frequency, Overheat, Lightning, Surge Power
Physical	
Dimension	460x395x132mm
Net Weight	13.5kg
Communication Interface	CAN/RS485/USB
Environment	
Humidity	5% to 95% Relative Humidity (non-condensing)
Altitude	< 2000m
Operating Temperature	0°C ~ 55°C
Storage Temperature	-15°C ~ 60°C
Noise	< 60db
Certificate	CE, IEC62109-1,IEC62109-2