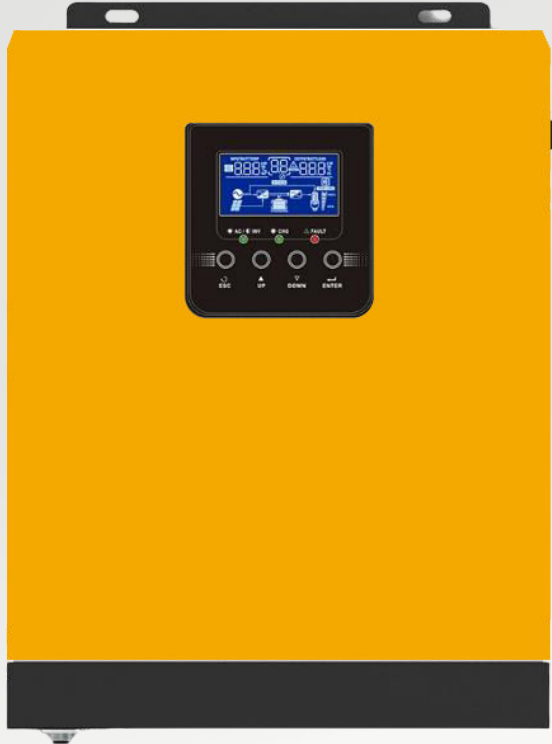


Off Grid Solar Inverter

High Frequency **SX-HMS SERIES**

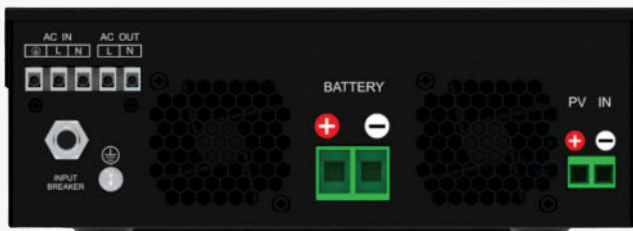


- **1.5KW/3KW**
- **220V**
- **24V/48V**

SX-HMS Series is a combination of high frequency inverter, AC charger and MPPT or PWM solar controller

Features :

- Pure sine wave inverter
- Built-in MPPT/ PWM solar charge controller
- Selectable input voltage range for home appliances and personal computers.
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance



More Image



Application

Designed for Areas with:

Unstable grid power, need backup power .

Main concern is sustainable power supply .



Ground-mounted solar power system

Designed for Areas with :

Stable grid power, but electricity price is expensive .

Main concern is reducing electricity bills.



Rooftop system on residential buildings

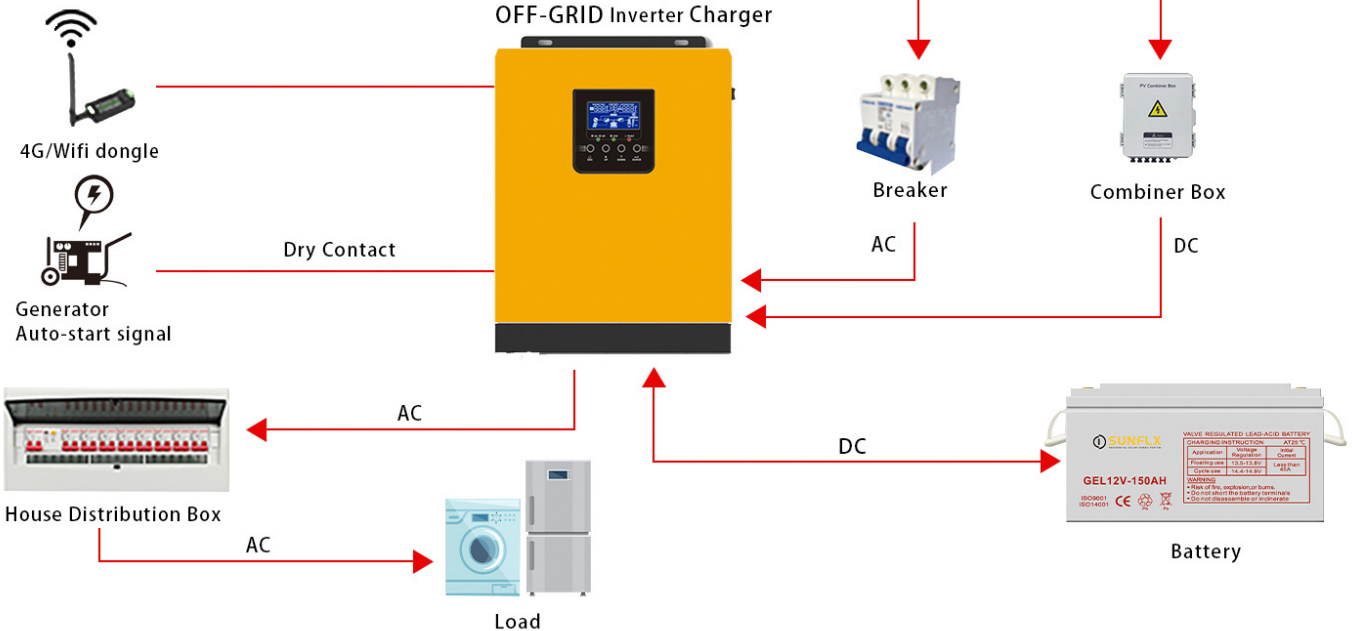
OFF-GRID Solar System



Monitor Display



Phone APP



Data sheet

MODEL	HMS 1.5K-12	HMS 1.5K-24	HMS 3K-24	HMS 3K-48
Rated Power	1500VA/1200W	1500VA/1200W	3000VA/2400W	3000VA/3000W
INPUT				
Voltage	230VAC			
Selectable Voltage Range	170-280VAC(for personal computers) 90-280VAC(for home appliances)			
Frequency Range	50Hz/60Hz (Auto sensing)			
OUTPUT				
AC Voltage Regulation (Batt.Mode)	230VAC±5%			
Surge power	3000VA		6000VA	
Efficiency(Peak)	90%-93%		93%	
Transfer Time	10ms (for personal computers) 20ms (for home appliances)			
Wave form	Pure Sine Wave			
BATTERY				
Battery Voltage	12VDC	24VDC	24VDC	48VDC
Floating Charge Voltage	13.5VDC	27VDC	27VDC	54VDC
Overcharge Protection	15.5VDC	31VDC	31VDC	62VDC
SOLAR CHARGER				
Maximum PV Array Power	500W	1000W	1000W	2000W
Maximum PV Array Open Circuit Voltage	102VDC	102VDC	102VDC	102VDC
MPPT Range @ Operating Voltage	15-80VDC	30-80VDC	30-80VDC	55-80VDC
Maximum Solar Charging Current	40A	40A	40A	40A
Maximum AC Charging Current	10A/20A	20A/30A	20A or 30A	15A
Maximum Charging Current (Utility Charging+Solar Charging)	60A	70A	70A	55A
Standby Power Consumption	2W			
Maximum Efficiency	98%			
PHYSICAL				
Dimension.D*W*H(mm)	305*272*100mm			
Net Weight (kgs)	5.2kg			
OPERATING ENVIRONMENT				
Humidity	5% to 95% Relative Humidity(Non-condensing)			
Operating Temperature	0°C to 55°C			
Storage Temperature	-15°C to 60°C			