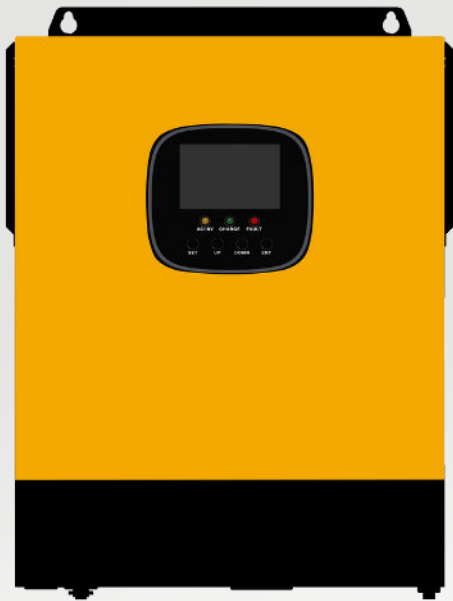


# Off Grid Solar Inverter

## High Frequency **SX-HSI 3000R SERIES**



- **3.3KW**
- **220V**
- **48V**

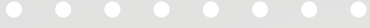
SX-HSI 3000R Series is a combination of high frequency inverter, AC charger and MPPT solar controller

### Features :

- Advanced MPPT with up to 99.9% efficiency
- Multiple charge and discharge modes are available
- 360 degrees of security from hardware to software
- Multiple safety approvals available
- Support for many types of batteries
- Supports Li-ion battery BMS communication
- Outputs high-quality pure sine wave AC power
- Power saving mode to reduce no-load loss
- Industrial design with a modern aesthetic look
- Easy to install and simple to use
- Exclusive Li-ion battery BMS dual activation
- Remote monitoring operating parameters



# 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 :

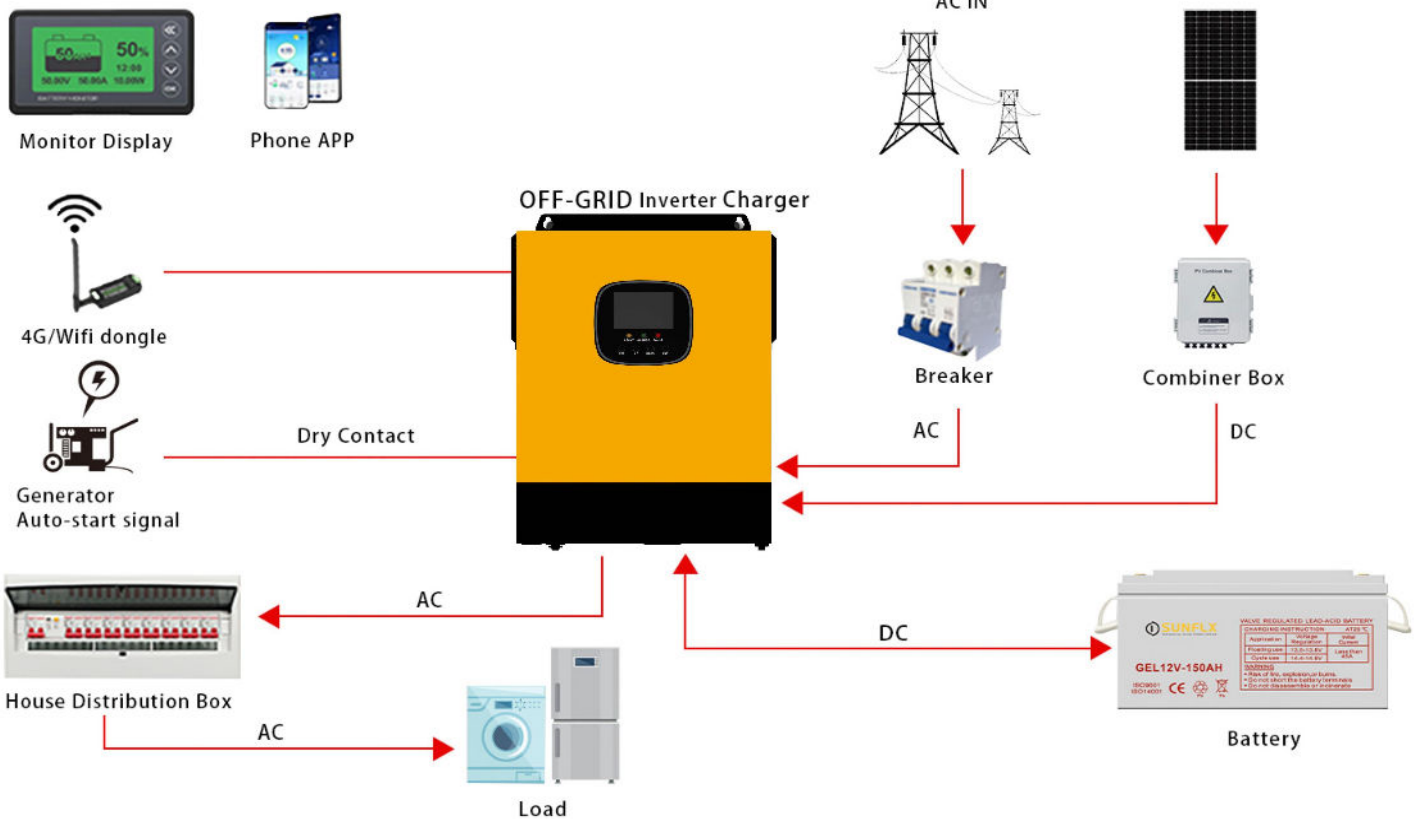
Stable grid power, but electricity price is expensive .

**Main concern is reducing electricity bills.**



Rooftop system on residential buildings

## OFF-GRID Solar System



# Data sheet

MODEL	HSI 3000R	Can Be Set
<b>INVERTER OUTPUT</b>		
Rated Output Power	3,300W	
Max.Peak Power	6,000VA	
Rated Output Voltage	230Vac	✓
Load Capacity of Motors	2HP	
Rated AC Frequency	50Hz/60Hz	✓
Waveform	Pure Sine Wave	
Switch Time	10ms (typical)	
<b>BATTERY</b>		
Battery Type	Lead-acid / Li-ion / User defined	✓
Rated Battery Voltage	48V	
Voltage Range	40~60Vdc	✓
Max.MPPT Charging Current	60A	✓
Max.Mains/Generator Charging Current	60A	✓
Max.Hybrid Charging Current	120A	✓
<b>PV INPUT</b>		
Num. of MPPT Trackers	1	
Max.PV Array Power	3,400W	
Max.Input Current	40A	
Max.Voltage of Open Circuit	145Vdc	
MPPT Voltage Range	60~115Vdc	
<b>UTILITY / GENERATOR INPUT</b>		
Input Voltage Range	UPS mode: 170~280Vac; APL mode: 90~280Vac	✓
Frequency Range	50/60Hz	
Bypass Overload Current	30A	
<b>EFFICIENCY</b>		
MPPT Tracking Efficiency	99.9%	
Max. Battery Inverter Efficiency	92%	
<b>GENERAL</b>		
Dimensions	378*280*103mm (1.24*0.92*0.34ft)	
Weight	6.2kg (13.67lb)	
Protection Degree	IP20, indoor only	
Operating Temperature Range	-15°C~55°C	
Noise	≤60dB	
Cooling Method	Forced air cooling with adjustable air speed	
Warranty	18 Months	
<b>COMMUNICATION</b>		
Embedded Interfaces	RS485 / USB / Dry contact	✓
External Modules (Optional)	Wi-Fi / GPRS	✓
<b>CERTIFICATION</b>		
Safety	CE(IEC 62109-1)	
EMC	EN61000, C2	
RoHS	Yes	