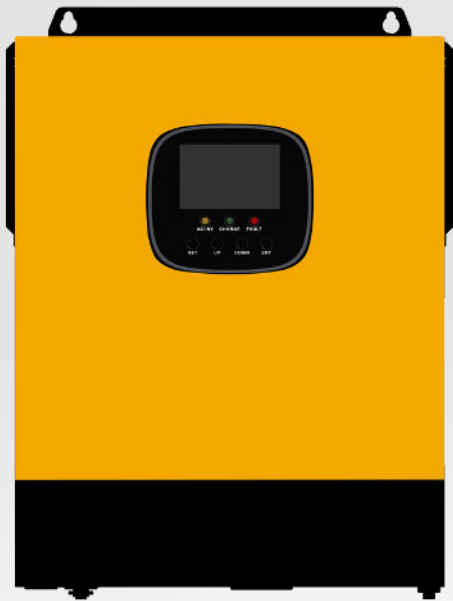


Off Grid Solar Inverter

High Frequency **SX-HSI 3500 SERIES**



- **3.5KW**
- **220V**
- **24V**

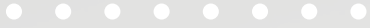
SX-HSI 3500 Series is a combination of high frequency inverter, AC charger and MPPT solar controller

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
- Reliable output for long periods at rated power
- Industrial design with a modern aesthetic look
- Easy to install and simple to use
- Exclusive Li-ion battery BMS dual activation
- Support for remote monitoring of operating



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 :

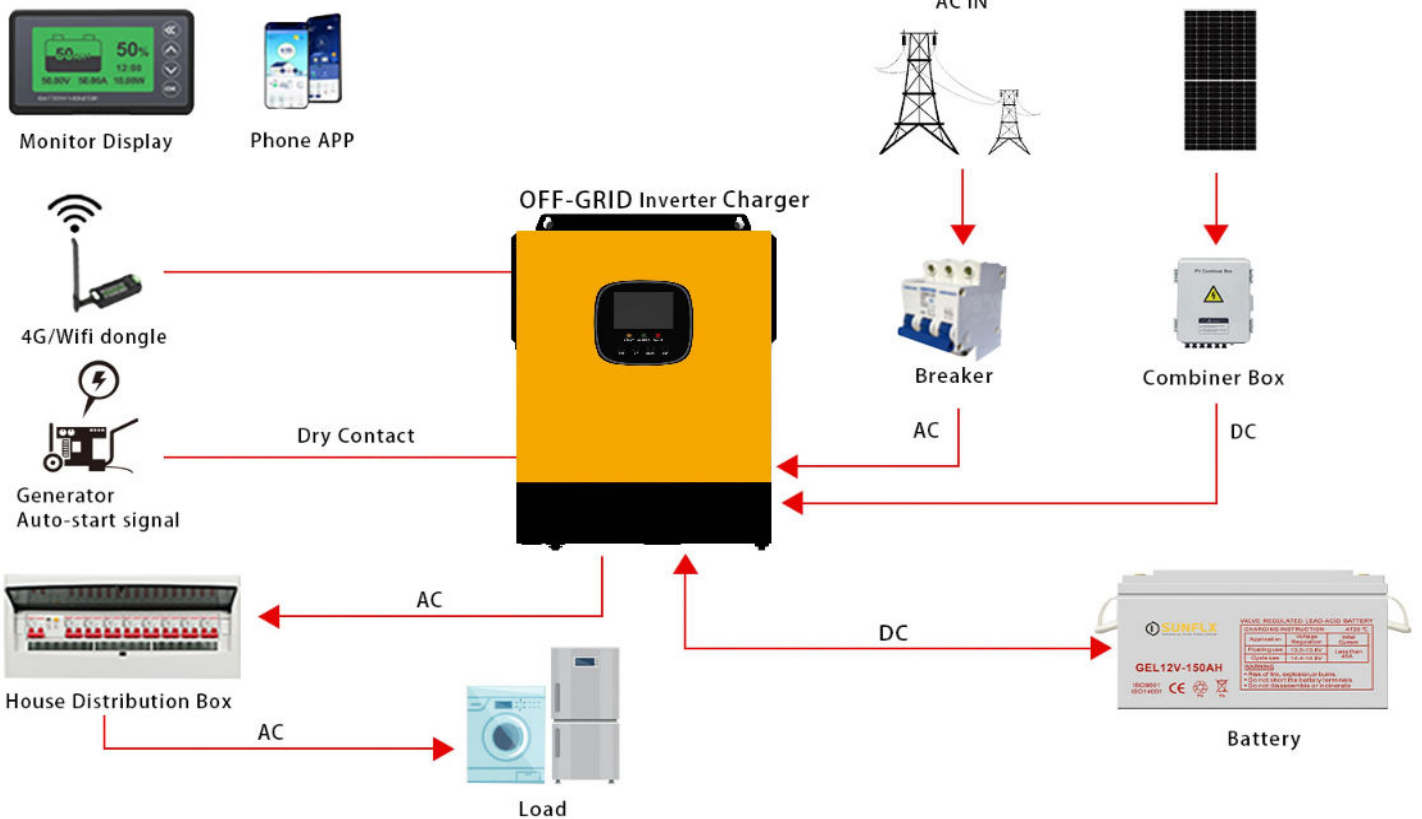
Stable grid power, but electricity price is expensive .

Main concern is reducing electricity bills.



Rooftop system on residential buildings

OFF-GRID Solar System



Data sheet

MODEL	HSI 3500	CAN BE SET
INVERTER		
Rated Output Power	3,500W	
Max.Peak Power	6,000VA	
Rated Output Voltage	230Vac (L/N/PE single phase)	✓
Load Capacity of Motors	2HP	
Rated AC Frequency	50Hz/60Hz	✓
Waveform	Pure Sine Wave	
Switch Time	10ms (typical)	
BATTERY		
Battery Type	Lead-acid / Li-ion / User defined	✓
Rated Battery Voltage	24V	
Voltage Range	20~33Vdc	✓
Max.MPPT Charging Current	80A	✓
Max.Mains/Generator Charging Current	80A	✓
Max.Hybrid Charging Current	80A	✓
PV INPUT		
Num. of MPPT Trackers	1	
Max.PV Array Power	4,000W	
Max.Input Current	13A	
Max.Voltage of Open Circuit	500Vdc	
MPPT Voltage Range	120~450Vdc	
UTILITY/ GENERATOR INPUT		
Input Voltage Range	UPS mode: 170~280Vac; APL mode: 90~280Vac	✓
Frequency Range	50/60Hz	
Bypass Overload Current	30A	
EFFICIENCY		
MPPT Tracking Efficiency	99.9%	
Max. Battery Inverter Efficiency	92%	
GENERAL		
Dimensions	378*280*103mm (1.24*0.92*0.34ft)	
Weight	7.4kg (16.31lb)	
Protection Degree	IP20, Indor Only	
Operating Temperature Range	-10°C~55°C	
Noise	≤60dB	
Cooling Method	Internal Fan	
Warranty	1.5 Years	
COMMUNICATION		
Embedded Interfaces	RS485 / CAN / USB / Dry contact	✓
External Modules (Optional)	Wi-Fi / GPRS	✓
CERTIFICATION		
Safety	CE(IEC 62109-1)/FCC/SAA	
EMC	EN61000, C2	
RoHS	Yes	