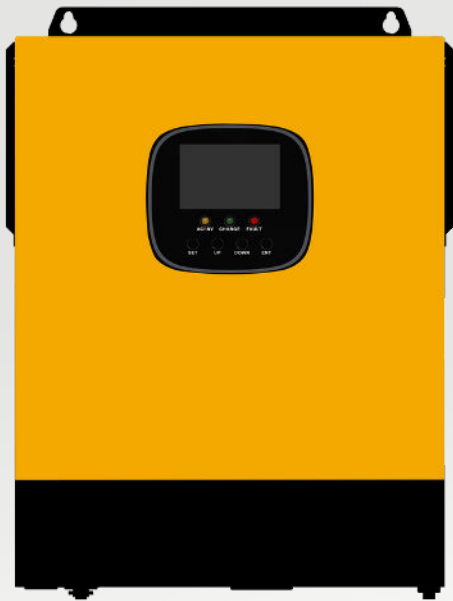


Off Grid Solar Inverter

High Frequency **SX-HSI 5000U SERIES**



- **5KW**
- **110V**
- **48V**

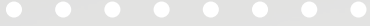
SX-HSI 5000U Series is a combination of high frequency inverter, AC charger and MPPT solar controller

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 :

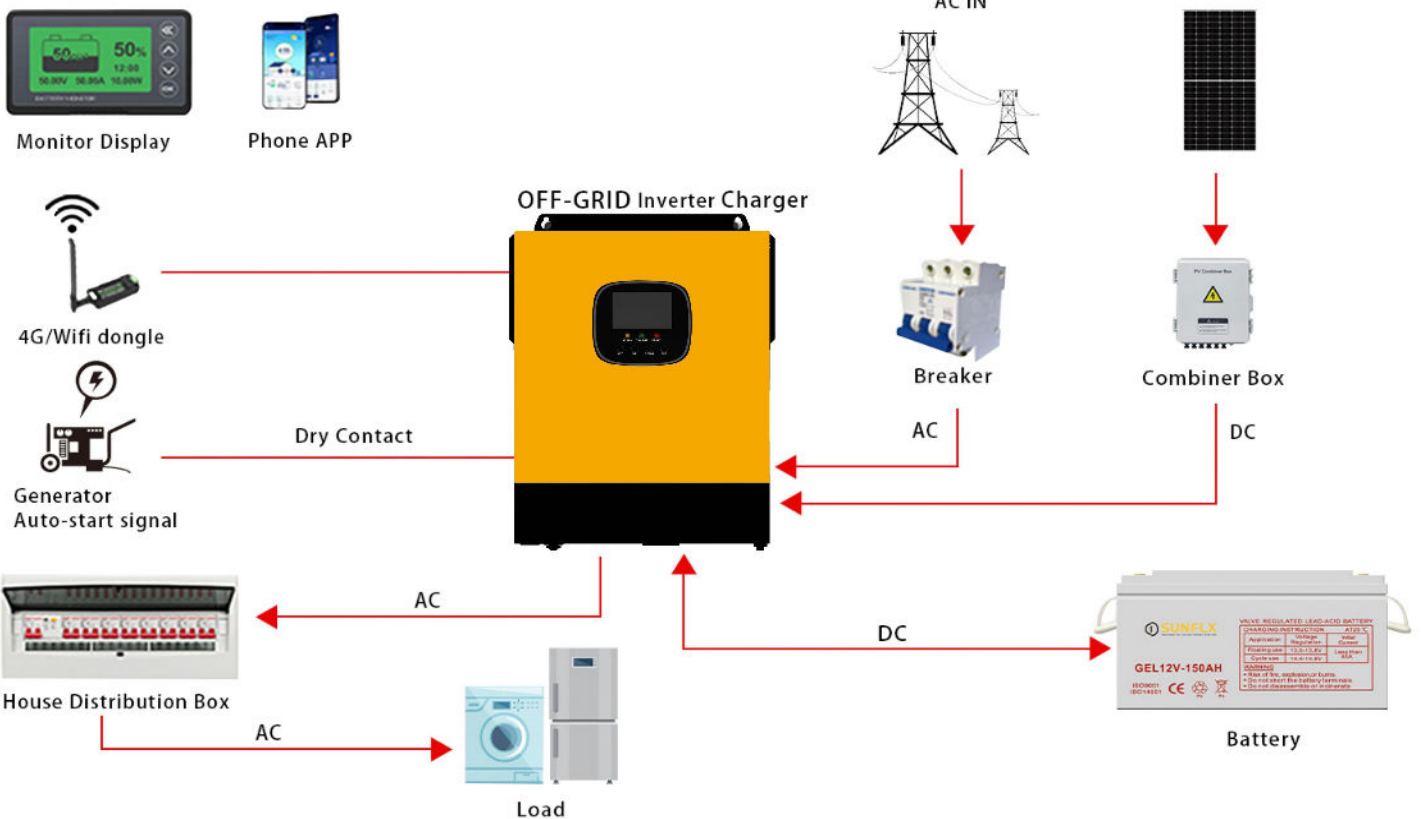
Stable grid power, but electricity price is expensive .

Main concern is reducing electricity bills.



Rooftop system on residential buildings

OFF-GRID Solar System



Data sheet

MODEL	HSI 5000U	CAN BE SET
INVERTER OUTPUT		
Rated Output Power	5,000W	
Max. Peak Power	10,000VA	
Rated Output Voltage	120Vac	✓
Load Capacity of Motors	4HP	
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	48V	
Voltage Range	40~60Vdc	✓
Max. MPPT Charging Current	80A	✓
Max. Mains/Generator Charging Current	40A	✓
Max. Hybrid Charging Current	80A	✓
PV INPUT		
Num. of MPPT Trackers	1	
Max.PV Array Power	5,000W	
Max.Input Current	18A	
Max.Voltage of Open Circuit	500Vdc	
MPPT Voltage Range	120~450Vdc	
UTILITY/ GENERATOR INPUT		
Input Voltage Range	90~140Vac	✓
Frequency Range	50/60Hz	
Bypass Overload Current	63A	
EFFICIENCY		
MPPT Tracking Efficiency	99.9%	
Max. Battery Inverter Efficiency	92%	
GENERAL		
Dimensions	426*322*126mm (1.40*1.06*0.41ft)	
Weight	11.6kg (25.57lb)	
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	
COMMUNICATION		
Embedded Interfaces	RS485 / USB / Dry contact	✓
External Modules (Optional)	Wi-Fi / GPRS	✓
CERTIFICATION		
Safety	CE(IEC 62109-1)/CETL(UL1741 C22.2 NO.107.1)	
EMC	EN61000	
RoHS	Yes	