

# Off Grid Solar Inverter

## High Frequency **SX-SPI-U SERIES**



- **8KW/10KW**
- **110V/220V**
- **48V**

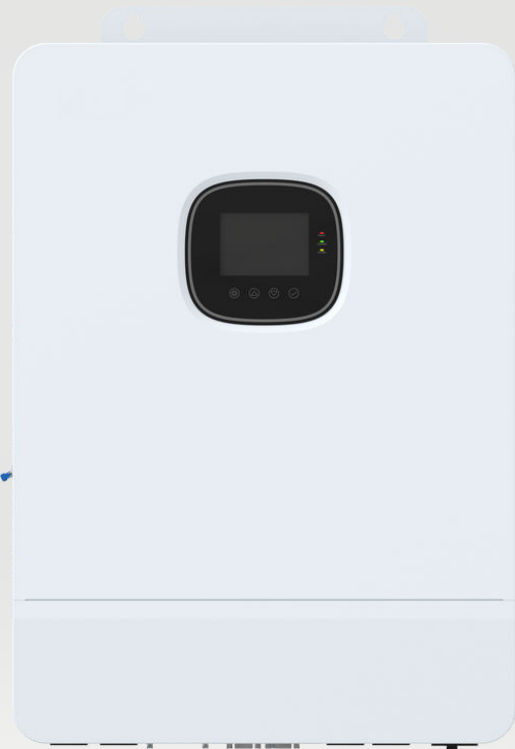
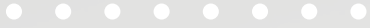
SX-SPI-U Series is a combination of high frequency inverter, AC charger and MPPT solar controller

### Features :

- Advanced MPPT technology with up to 99.9% efficiency
- Up to 22+22A PV input current
- 360 degrees of security from hardware to software
- EU and North American safety approvals
- Up to 200A charging current
- Support Li-ion battery BMS communication
- Outputs high quality pure sine wave AC power
- Up to 10kW load power for most household needs
- Industrial design with a modern aesthetic look
- Easy to install and simple to use
- Exclusive Li-ion battery BMS dual activation
- Time-slot function to save cost with peak-valley



# 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 :

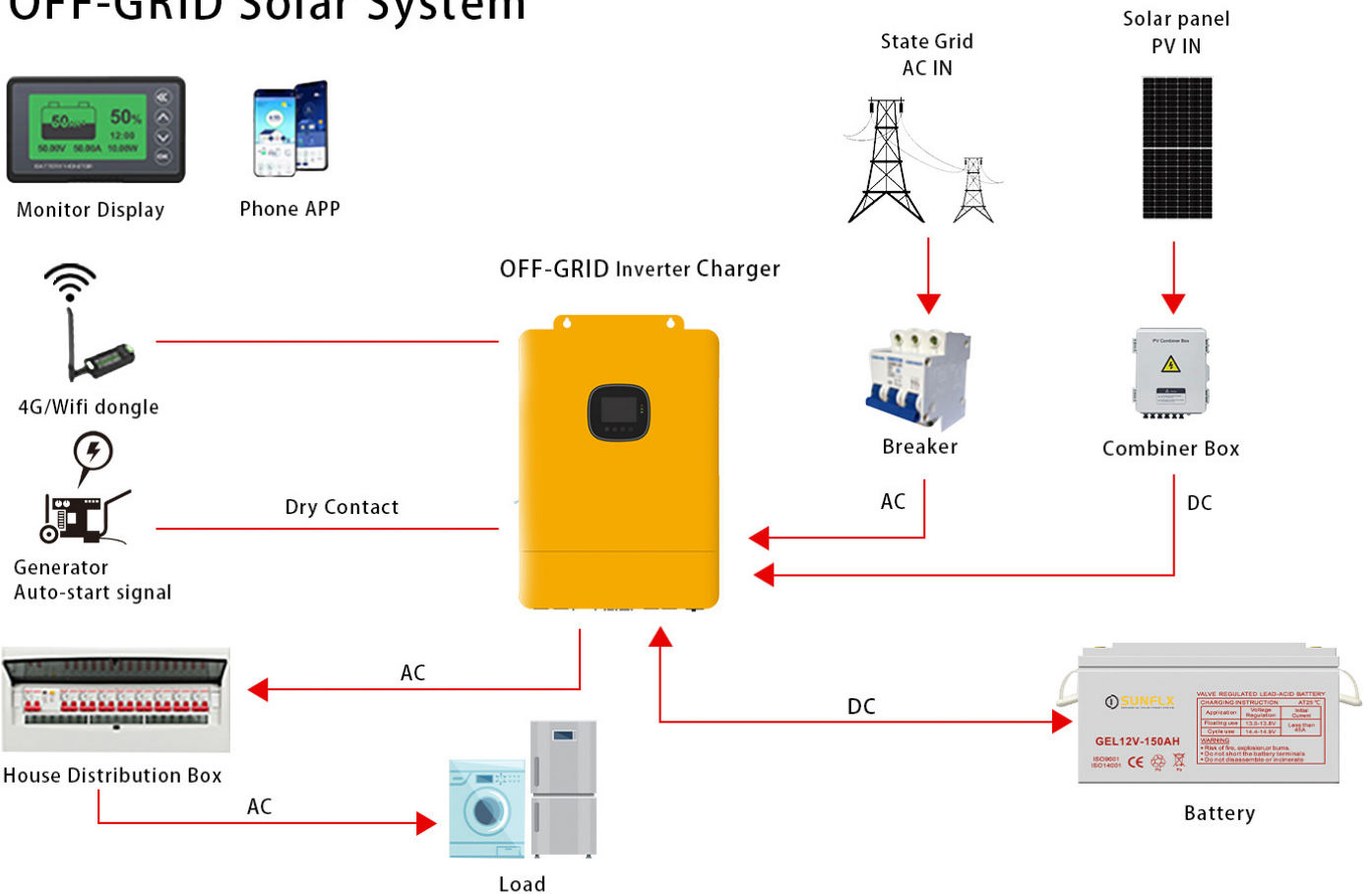
Stable grid power, but electricity price is expensive .

**Main concern is reducing electricity bills.**



Rooftop system on residential buildings

## OFF-GRID Solar System



# Data sheet

MODEL	SPI-10K-U	SPI-8K-U	Can Be Set
<b>INVERTER OUTPUT</b>			
Rated Output Power	10,000W	8,000W	
Max.Peak Power	20,000W	16,000W	
Rated Output Voltage	120(single-phase) / 240V(split-phase)		✓
Load Capacity of Motors	6HP	5HP	
Rated AC Frequency	50/60Hz		✓
Waveform	Pure Sine Wave		
Switch Time	10ms (typical)		
<b>BATTERY</b>			
Battery Type	Li-ion / Lead-Acid / User Defined		✓
Rated Battery Voltage	48Vdc		
Battery Voltage Range	40~60Vdc		✓
Max.MPPT Charging Current	200A	180A	✓
Max.Mains/Generator Charging Current	120A	100A	✓
Max.Hybrid Charging Current	200A	180A	✓
<b>PV INPUT</b>			
Num. of MPPT Trackers	2		
Max.PV Array Power	5,500W+5,500W		
Max.Input Current	22A+22A		
Max.Voltage of Open Circuit	500Vdc+500Vdc		
MPPT Voltage Range	125~425Vdc+125~425Vdc		
<b>UTILITY / GENERATOR INPUT</b>			
Input Voltage Range	90~140Vac		✓
Frequency Range	50/60Hz		
Bypass Overload Current	63A		
<b>EFFICIENCY</b>			
MPPT Tracking Efficiency	99.9%		
Max. Battery Inverter Efficiency	92%		
<b>GENERAL</b>			
Dimensions	620*445*130mm		
Weight	27kg		
Protection Degree	IP20, indoor only		
Operating Temperature Range	-10~55°C, >45°C derated		
Noise	<60dB		
Cooling Method	Internal Fan		
Warranty	18 Months		
<b>COMMUNICATION</b>			
Embedded Interfaces	RS485 / CAN / USB / Dry contact		✓
External Modules (Optional)	Wi-Fi / GPRS		✓
<b>CERTIFICATION</b>			
Safety	IEC62109-1, IEC62109-2, UL1741		
EMC	EN61000-6-1, EN61000-6-3, FCC 15 class B		
RoHS	Yes		