

Off Grid Solar Inverter

High Frequency **SX-SPI-SP SERIES**

- **10KW**
- **220V**
- **48V**



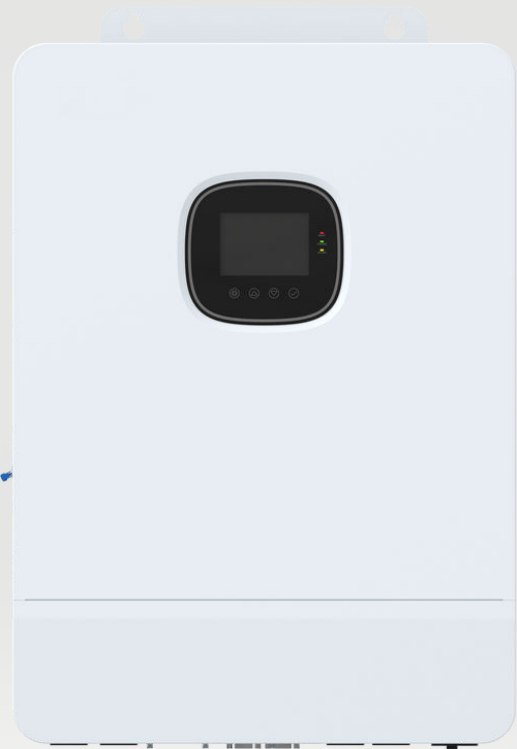
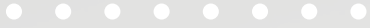
SX-SPI-SP Series is a combination of high frequency inverter, AC charger and MPPT solar controller

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
- Multiple safety approvals
- Up to 200A charging current
- Support Li-ion battery BMS communication
- Outputs high quality pure sine wave AC power
- Up to 6 units in parallel connection
- 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 :

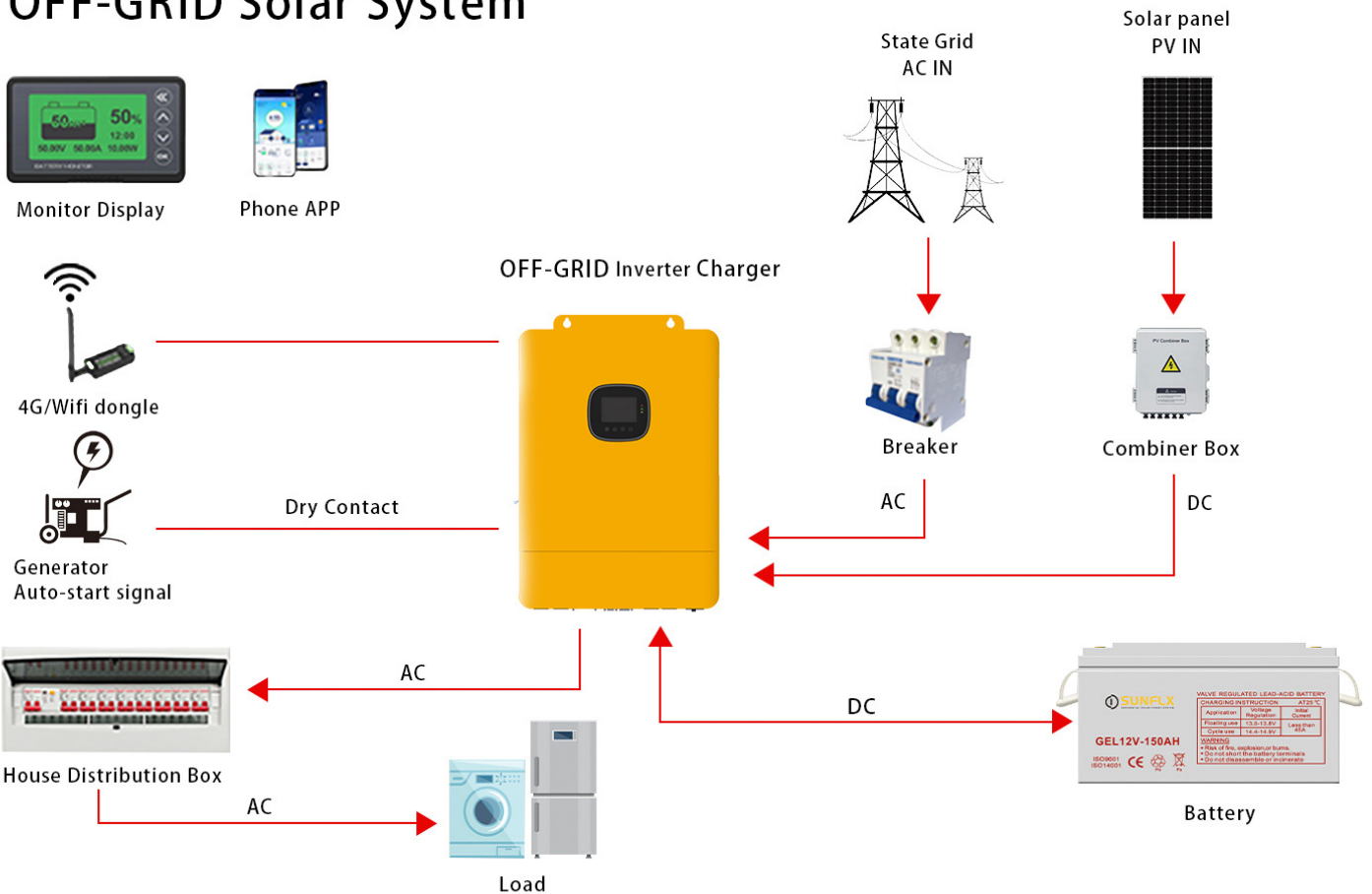
Stable grid power, but electricity price is expensive .

Main concern is reducing electricity bills.



Rooftop system on residential buildings

OFF-GRID Solar System



Data sheet

MODEL	SPI-10K-SP	CAN BE SET
INVERTER OUTPUT		
Rated Output Power	10,000W	
Max.Peak Power	15,000W	
Rated Output Voltage	230Vac (single-phase)	✓
Load Capacity of Motors	6HP	
Rated AC Frequency	50/60Hz	✓
Waveform	Pure Sine Wave	
Switch Time	10ms (typical)	
Parallel capacity	1~6 units (single-phase / three-phase)	
BATTERY		
Battery Type	Li-ion / Lead-Acid / User Defined	✓
Rated Battery Voltage	48Vdc	
Voltage Range	40~60Vdc	✓
Max.MPPT Charging Current	200A	✓
Max.Mains/Generator Charging Current	120A	✓
Max.Hybrid Charging Current	200A	✓
PV INPUT		
Num. of MPP 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	
MAINS / GENERATOR INPUT		
Input Voltage Range	90~275Vac	✓
Frequency Range	50/60Hz	
Bypass Overload Current	63A	
EFFICIENCY		
MPPT Tracking Efficiency	99.9%	
Max. Battery Inverter Efficiency	92%	
GENERAL		
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	
COMMUNICATION		
Embedded Interfaces	RS485 / CAN / USB / Dry contact	✓
External Modules (Optional)	Wi-Fi / GPRS	✓
CERTIFICATION		
Safety	IEC62109-1, IEC62109-2	
EMC	EN61000-6-1, EN61000-6-3, FCC 15 class B	
RoHS	Yes	