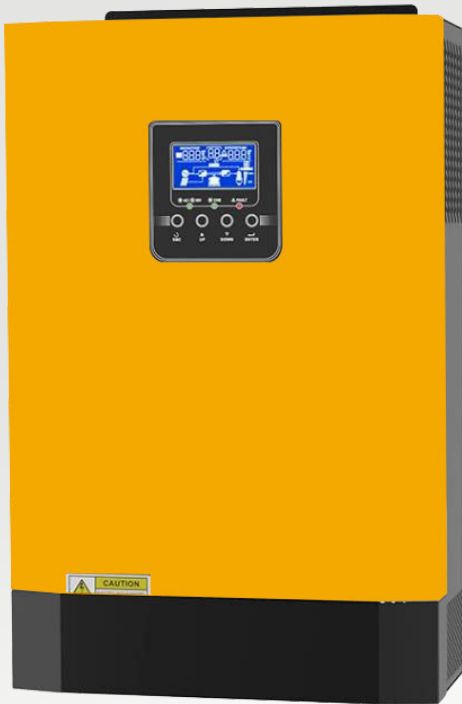


# Off Grid Solar Inverter

## High Frequency **SX-MPS-H SERIES**



- **3.5KW/5.5KW**
- **220V**
- **24V/48V**

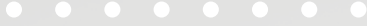
SX-MPS-H Series is a combination of high frequency inverter, AC charger and MPPT solar controller

### Features :

- Pure sine wave output
- Output powerfactor 1.0
- Programmable supply priority for PV, battery or Grid
- User-adjustable charge current and voltage
- Wide PV input range(120Vdc-500Wdc), 110A MPPT SCC
- Use with lithium batteries
- Working without batteries insunny day
- WiFi Monitoring Function (optional)
- Anti-dusk kitfor harsh environment (optional)
- LCDremote control with 10 meters wire(optional)
- PV and electricity complementary



# 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

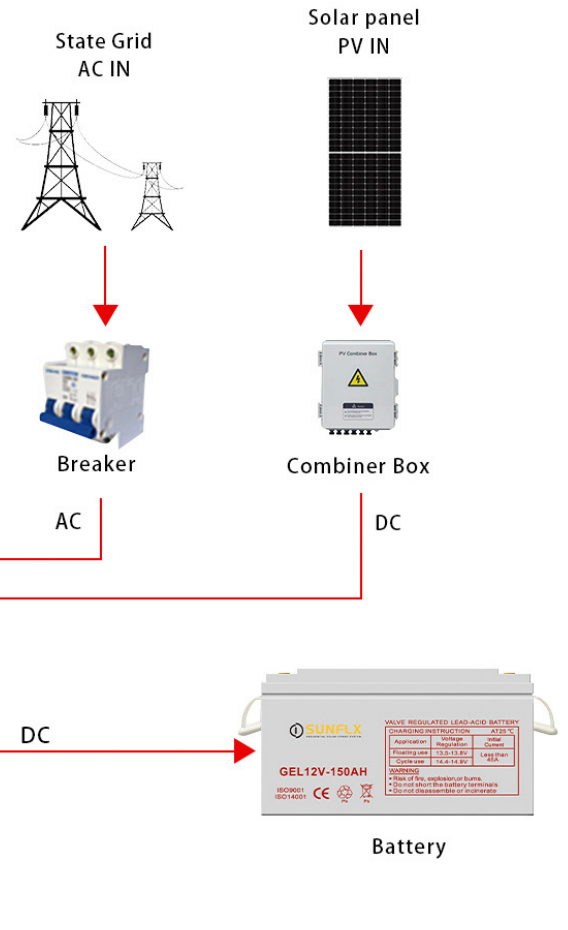
## OFF-GRID Solar System



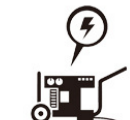
Monitor Display



Phone APP



4G/Wifi dongle



Generator Auto-start signal

Dry Contact

OFF-GRID Inverter Charger



Breaker

AC

Combiner Box

DC



House Distribution Box

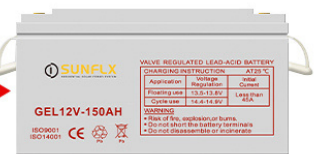
AC

AC



Load

DC



Battery

# Data sheet

MODEL	MPS-3500H	MPS-5500H
Rated Power	3500VA/3500W	5500VA/5500W
<b>INPUT</b>		
Voltage	230VAC	
Selectable Voltage Range	170-280VAC(for personal computers) 90-280VAC(for home appliances)	
Frequency Range	50Hz/60Hz (Auto sensing)	
<b>OUTPUT</b>		
AC Voltage Regulation (Batt.Mode)	230VAC±5%	
Surge power	7000VA	11000VA
Efficiency(Peak) PV to INV	97%	
Efficiency(Peak) BAT to INV	94%	
Transfer Time	10ms (for personal computers) 20ms (for home appliances)	
Wave form	Pure Sine Wave	
<b>BATTERY &amp; AC CHARGER</b>		
Battery Voltage	24VDC	48VDC
Floating Charge Voltage	27VDC	54VDC
Overcharge Protection	31VDC	61VDC
Maximum charge current	80A	80A
<b>SOLAR CHARGER</b>		
MAX.PV Array Power	5000W	6000W
MPPT Range@ Operating Voltage	120-500VDC	
Maximum PV Array Open Circuit Voltage	500VDC	
Maximum Charging Current	110A	
Maximum Efficiency	98%	
<b>PHYSICAL</b>		
Dimension.D*W*H(mm)	472*298*129	
Net Weight (kgs)	9.5kg	10.5kg
Communication Interface	RS485/RS232(Standard) LCD remote/WIFI(Optional)	
<b>OPERATING ENVIRONMENT</b>		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	0°C to 55°C	
Storage Temperature	-15°C to 60°C	