



**ULTIMATRON  
FRANCE**

# Off-Grid Inverter MPS SERIES

## SP-2200

### Features

- Pure sine wave inverter
- Programmable supply priority for PV, battery or Grid
- High PV input voltage range(55~450VDC)
- Built-in MPPT solar charge
- Compatible with lithium-ion battery
- Support BMS communication with Lithium battery
- Smart battery charge design to optimize battery life
- Overload, high temperature, inverter output short circuit protection
- Cold start function
- Intelligent fan speed adjustment
- Built-in anti-dusk kit for harsh environment (optional)
- WIFI&GPRS available for IOS and android



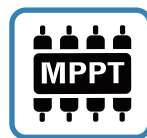
**Max PV Input  
2000W**



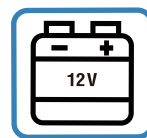
**Max PV  
Voltage 450VDC**



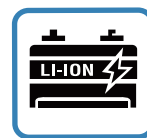
**MPPT Range  
55 ~ 450VDC**



**MPPT  
Controller**



**12 Volt**



**Works with  
Lithium battery**



**AC Output  
1800W**



**Max Charging  
Current 80A**



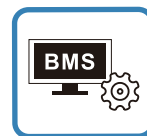
**Communication  
Port  
RS232/RS485**



**Pure Sine  
Wave Inverter**

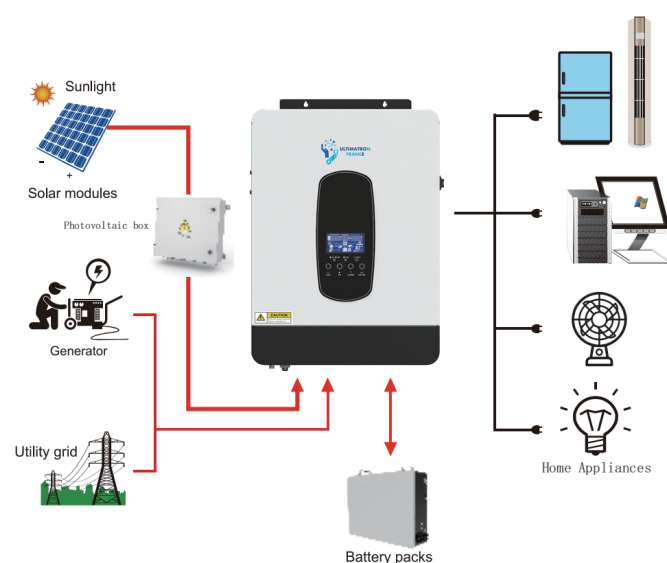


**Wi-Fi Option**



**BMS**

### Solar System Connection



### Overview



MARQUE FRANÇAISE



## Specification

### MODEL

Product Reference	SP-2200
Rated Power	2200VA/1800W

### INPUT

Voltage	230VAC
Selectable Voltage Range	170-280VAC(for personal computers) 90-280VAC(for home appliances)
Frequency Range	50Hz/60Hz (Auto sensing)

### OUTPUT

AC Voltage Regulation ( Batt. Mode)	230VAC $\pm$ 5%
Surge Power	4400VA
Transfer Time	10ms (for personal computers) 20ms (for home appliances)
Wave Form	Pure Sine Wave

### BATTERY & AC CHARGER

Battery Voltage	12VDC
Floating Charge Voltage	13.5VDC
Overcharge Protection	15.5VDC
Maximum Charge Current	60A

### SOLAR CHARGER

MAX.PV Array Power	2000W
MPPT Range@ Operating Voltage	55-450VDC
Maximum PV Array Open Circuit Voltage	450VDC
Maximum Charging Current	80A
Maximum Efficiency	98%

### PHYSICAL

Dimension. L * W* H	405*286*98mm
Net Weight	4.5kg
Communication Interface	RS232/RS485(Standard) GPRS/WIFI(Optional)

### OPERATING ENVIRONMENT

Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10°C to 55°C
Storage Temperature	-15°C to 60°C

