

FRECON

SP500

Off Grid Solar Inverter



FRECON ELECTRIC (SHENZHEN) CO.,LTD



SP500

OFF GRID SOLAR INVERTER

■ Features

- ⚙️ Pure sine wave inverter
- 🔌 PV input 15-125 Vdc
- 📶 Option Wifi for monitoring data
- 🔋 Configurable AC/Solar charger priority
- ⚙️ Built-in 60A MPPT
- 📺 User friendly LCD operation
- 🔌 Wall mount design, Easy installation
- 🔋 Battery equalization extends lifecycle

■ Solar system connection



Model	SP500-1200-12L
Rated Power	1200W/1200VA
Input	
Rated Input Voltage	230VAC
Selectable Voltage Range	170~264VAC(For personal computers) ; 90~280VAC (For home applications)
Frequency	50Hz/60Hz(Auto sensing)
Output	
Waveform	Pure sine wave
AC Voltage Regulation (Batt,Mode)	230VAC±5%
Peak Power	1200VA
Switch Time	10ms (For personal computers) ; 10ms (For home applications)
Efficiency	92%
Battery	
Battery Type	Lithium battery/Lead acid battery
Battery Voltage	12VDC
Constant Charging Voltage	14.1VDC
Float Charging Voltage	13.8VDC
Overcharge Protection	16VDC
PV&AC Charger	
Max.PV Array Power	1000W
MPPT Voltage Range	20~100VDC
Max.Voltage of Open Circuit	125VDC
Max.PV Charging Current	60A
Max.AC Charging Current	60A
Max.Charging Current	60A
General	
Dimension D*W*H(mm)	87*223*332
Weight	3.6
Protection Degree	IP21
Operating Temperature Range	-10~50℃
Storage Temperature Range	-15~60℃
Noise	50dB
Cooling Method	Fan cooling
Interface	
Communication	WIFI



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