

FRECON

SP100

Off Grid Solar Inverter



FRECON ELECTRIC (SHENZHEN) CO.,LTD



SP100

OFF GRID SOLAR INVERTER

■ Features

- ⚙️ Pure sine wave inverter
- 📶 Option Wifi for monitoring data
- 🔋 Configurable AC/Solar charger priority
- 📺 User friendly LCD operation
- 🔌 Wall mount design, Easy installation
- 🔋 Battery equalization extends lifecycle

■ Solar system connection



Model	SP100-1200-12L	SP100-3500-24H	SP100-6000-48H
Rated Power	1200W/1200VA	3500W/3500VA	6000W/6000VA
Input			
Rated Input Voltage	220/230/240VAC		
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)	220/230/240VAC		
Peak Power	2400VA	5400VA	9000VA
Switch Time	10ms （For personal computers） ； 20ms （For home applications）		
Effiency	92%		
Battery			
Battery Type	Lithium battery, lead acid battery		
Battery Voltage	12VDC	24VDC	48VDC
Constant Charging Voltage	14.1VDC	29VDC	56.4VDC
Float Charging Voltage	13.8VDC	27.8VDC	54VDC
Overcharge Protection	16VDC	30.5VDC	61VDC
PV&AC Charger			
Max.PV Array Power	2000W	5000W	9000W
MPPT Voltage Range	15~105VDC	40~450VDC	60~450VDC
Max.Voltage of Open Circuit	125VDC	500VDC	500VDC
Max.PV Charging Current	60A	100A	120A
Max.AC Charging Current	60A	100A	120A
Max.Charging Current	60A	100A	120A
General			
Dimension D*W*H(mm)	223*332*87	269*422*95	322*392*106
Weight	3.6	5.8	7.8
Protection Degree	IP21		
Operating Temperature Range	-10~50℃		
Storage Temperature Range	-15~60℃		
Noise	50dB		
Cooling Method	Fan cooling		
Interface			
Communication	RS485, WIFI		



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