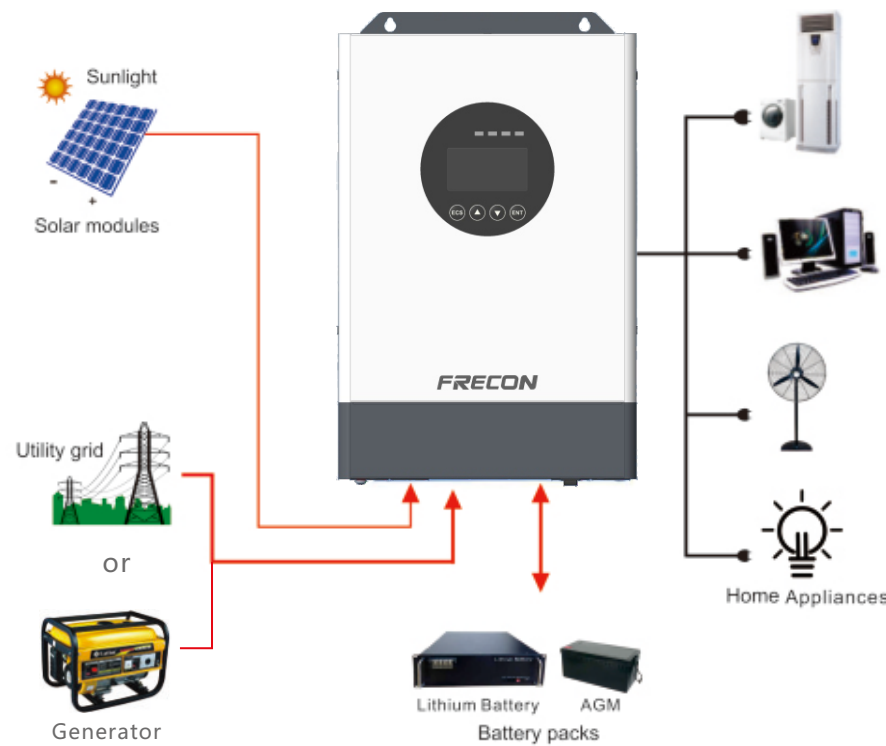


Working Principle



Features

- **Support BMS battery management system:**
Standard BMS battery management system communication interface, intelligent battery charging design to improve battery life.
- **Easy-to-control LCD panel:**
Users can set the system parameters through the LCD panel at any time to improve the performance of the inverter.
- **Support USB upload/download function:**
Standard USB interface, convenient for data upload/download.
- **Support mobile phone APP to monitor the inverter:**
Standard Bluetooth, optional WIFI/GPRS module, monitor and control the inverter through the mobile phone APP.
- **Small size and light weight:**
Compared with peers with the same power, SP500 inverter has smaller volume and weight, and is more convenient to install.
- **High conversion efficiency:**
The conversion efficiency is as high as 98.7%, which is in the leading position compared with the peers.

Technical Parameters

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	2400VA
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	2000W
MPPT Voltage Range	15~105VDC
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