

FRECON

SP520

HYBRID OFF-GRID SOLAR INVERTER



FRECON ELECTRIC (SHENZHEN) CO.,LTD

SP520 HYBRID OFF-GRID SOLAR INVERTER

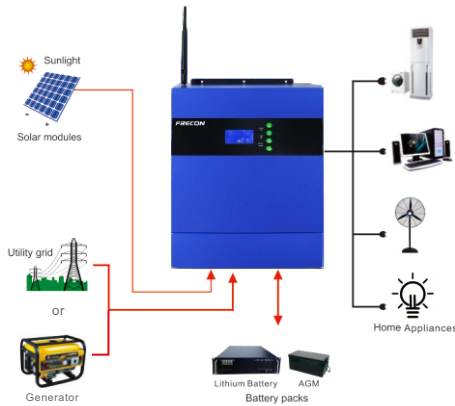
Features

- Pure sine wave solar inverter
- Configurable output source priority
- Configurable AC/Solar charger priority
- Built-in 120-450V MPPT solar charger controller
- Support no battery operation function
- Compatible to grid power or generator power
- Standard built-in WIFI module, through mobile APP to monitor and control the inverter
- With complete short-circuit, over-voltage, under-voltage, overload protection, etc.

Advantages

Solar and grid share power together

Inverter support solar power and grid power to supply the load at the same time



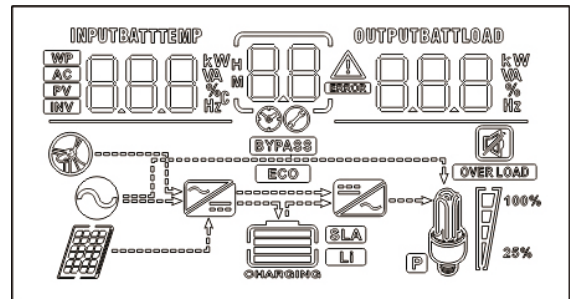
Supports BMS

Standard with BMS communication port, intelligent battery charging design to extend battery life



Convenient LCD operation

User can set up parameters through LCD panel easily to improve inverter performance



Support mobile APP monitoring inverter

Built in WIFI module for mobile APP monitoring



Model	SP520-3500-24H	SP520-5500-48H
Rated power	3500VA	5500VA
AC input		
Rated input voltage	220/230/240VAC	
Operating voltage range	170~280VAC(For personal computers);90~280VAC(For home applications)	
Frequency range	50Hz/60Hz(Auto sensing)	
Output		
Rated output voltage(Vac)	220/230/240VAC	
Surge power	6000VA	10000VA
Efficiency (peak)	94%	
Transfer time	10ms(For personal computers); 20ms(For home applications)	
Battery&AC charger		
Battery voltage	24VDC	48VDC
Floating charge voltage	27VDC	54VDC
Overcharge protection	33VDC	63VDC
Maximum charging current	80A	
Solar charger		
Maximum PV array power	4000W	6000W
MPPT range @ operating voltage	120~450VDC	
Maximum PV array open circuit voltage	495VDC	
Maximum charging current	100A	
Physical		
Dimension D*W*H(mm)	120*322*416	
Net weight(kg)	9	10
Communication interface	RS232/WiFi	
Operating environment		
Humidity	5%-95% Relative humidity (non-condensing)	
Operating temperature	-10°C~50°C	
Storage temperature	-15°C~60°C	

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Website

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