

**FRECON**

**SP520**

**OFF-GRID SOLAR INVERTER**



FRECON ELECTRIC (SHENZHEN) CO.,LTD

# SP520 OFF-GRID SOLAR INVERTER

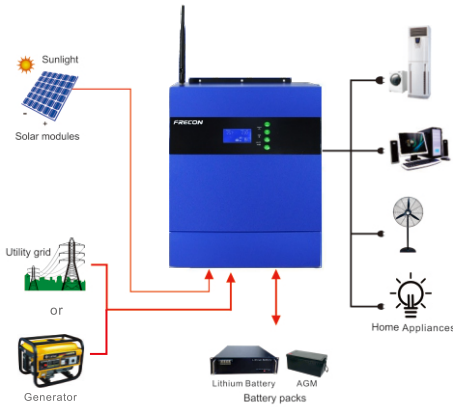
## Features

- 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

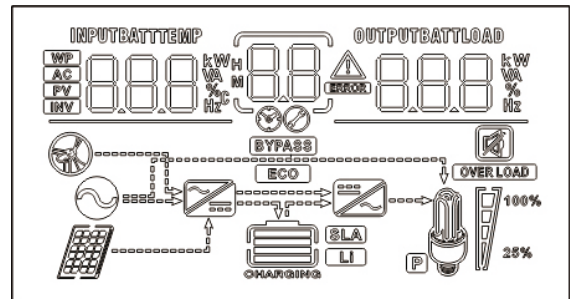
### Solar and grid share power together

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



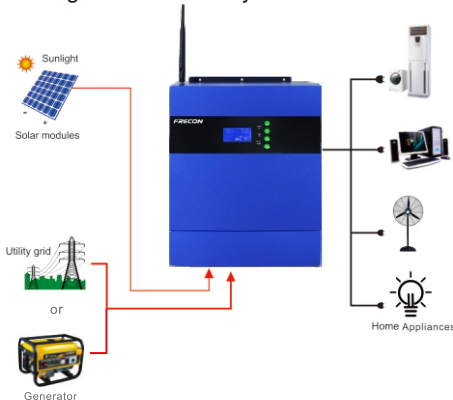
### Convenient LCD operation

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



### Working without battery

Inverter can keep supplying power to the loads from PV energy or the grid without battery connected.



### Support mobile APP monitoring inverter

Built in WIFI module for mobile APP monitoring



Model	SP520-3500-24H-H	SP520-5500-48H-H
Rated power	3500VA	5500VA
<b>AC input</b>		
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)	
<b>Output</b>		
Rated output voltage(Vac)	220/230/240VAC	
Surge power	7000VA	11000VA
Efficiency (peak)	98%	
Transfer time	10ms(For personal computers); 20ms(For home applications)	
<b>Battery&amp;AC charger</b>		
Battery voltage	24VDC	48VDC
Floating charge voltage	27VDC	54VDC
Overcharge protection	33VDC	63VDC
Maximum charging current	80A	
<b>Solar charger</b>		
Maximum PV array power	5000W	6000W
MPPT range @ operating voltage	120~450VDC	
Maximum PV array open circuit voltage	500VDC	
Maximum charging current	100A	
<b>Physical</b>		
Dimension D*W*H(mm)	120*322*416	
Net weight(kg)	9	10
Communication interface	RS232/WiFi	
<b>Operating environment</b>		
Humidity	5%-95% Relative humidity (non-condensing)	
Operating temperature	-10°C~50°C	
Storage temperature	-15°C~60°C	

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