

FRECON

 **PSC SOLAR (UK)**
Africa's Solar Electricity Power

SP520

HYBRID OFF-GRID SOLAR INVERTER



FRECON ELECTRIC (SHENZHEN) CO.,LTD

SP520 HYBRID OFF-GRID SOLAR INVERTER

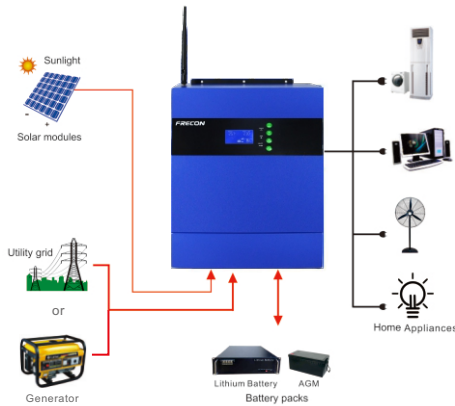
Features

- 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.
- Dry contact linked with battery status

Advantages

Solar and grid share power together

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



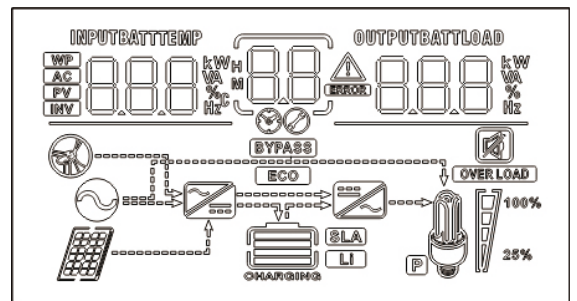
Supports BMS

Standard with BMS communication port, intelligent battery charging design to extend battery life(8KW/11KW)



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	SP520-8000-48H	SP520-11000-48H
Rated power	3500VA	5500VA	8000VA	11000VA
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	16000VA	22000VA
Efficiency (peak)	94%			
Transfer time	10ms(For personal computers); 20ms(For home applications)			
Battery&AC charger				
Battery voltage	24VDC	48VDC	48VDC	48VDC
Floating charge voltage	27VDC	54VDC	54VDC	54VDC
Overcharge protection	33VDC	63VDC	66VDC	66VDC
Maximum charging current	80A		120A	150A
Solar charger				
Maximum PV array power	4000W	6000W	8000W(4000W*2)	11000W(5500W*2)
MPPT range @ operating voltage	120~450VDC		90~450VDC	
Maximum PV array open circuit voltage	495VDC		500VDC	
Maximum charging current	100A		150A	
Physical				
Dimension D*W*H(mm)	120*322*416		158.4*503.6*530.8	
Net weight(kg)	9	10	20	20
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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