

FRECON

SP100

Single Phase Off-grid Solar Inverter




FRECON ELECTRIC (SHENZHEN) CO.,LTD



SP100

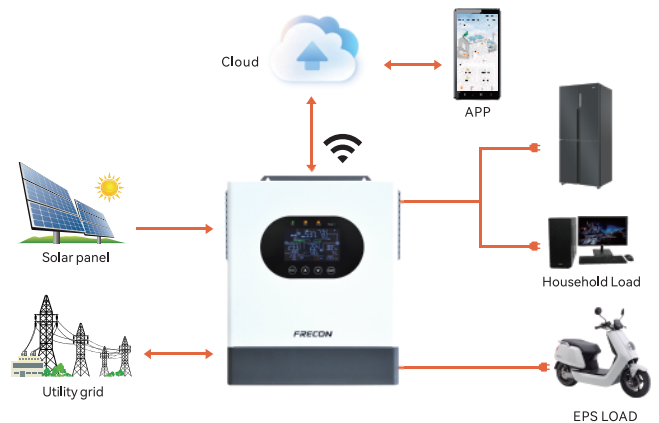
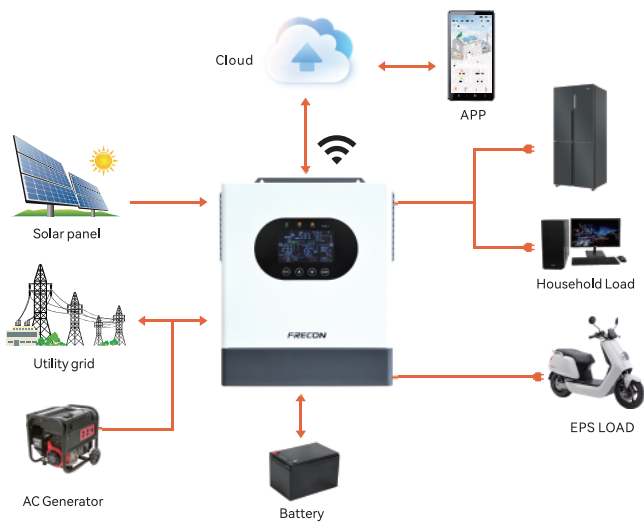
SINGLE PHASE OFF-GRID SOLAR INVERTER

■ Features

-  Support PV feed in to grid (but subject to local policies)
-  Configurable priority between grid and PV
-  Built-in Wi-Fi module for mobile APP monitoring
-  Support operation without battery
-  Supports lithium battery activation function
-  Wide Input PV Voltage Range

Solar system connection

Support operation without battery



Note: Only SP100-6500-48/SP100-12000-48 Support EPS Load Output

Model	SP100-2000-12	SP100-3600-24	SP100-6500-48	SP100-12000-48
Battery				
Normal Voltage	12VDC	24VDC	48VDC	48VDC
Battery Type	Lithium/Lead-acid Battery			
Max.PV Charge Current	100A	100A	120A	160A
Max.AC Charge Current	100A	100A	120A	160A
Max. Hybrid Charge Current	100A	100A	120A	160A
AC Output				
Rated Capacity	2000VA/2000W	3600VA/3600W	6500VA/6500W	12000VA/12000W
Surge Power	4000VA	7200VA	12000VA	24000VA
Wave Form	Pure Sine Wave			
No.Of AC Output	1	1	2	2
Voltage	208VAC/220VAC/230VAC/240VAC			220VAC/230VAC/240VAC
Frequency	50 Hz/60 Hz			
Switch Time	10 ms(APP/UPS Mode)/20 ms(GEN Mode)			
Max.Efficiency(Battery Mode)	91%	92%	94%	94%
Parallel Quantity	NA			
Solar Input				
NO.Of MPPT	1	1	1	2
Max. Input Power	3000W	5000W	9000W	15000W
Max.Open Circuit Voltage	450VDC	500VDC	500VDC	500VDC
Max.Input Current	18A	18A	27A	22.5A+22.5A/Single PV Input 27A
MPPT Voltage Range	30~400VDC	40~450VDC	60~450VDC	60~450VDC
PV Start-up Voltage	40VDC	60VDC	80VDC	80VDC
AC Input				
Rated Input Voltage	230VAC	230VAC	230VAC	230VAC
Input Voltage Range	90~280VAC(APP/GEN Mode)/170~264VAC(UPS Mode)			
Input Frequency Range	50Hz/60Hz (Auto Adaptive)			
General Data				
HMI	LCD			
Interface	BMS(CAN/RS485)/RS232			
External Module	Wi-Fi			
Ingress Protection	IP21			
Operation Temperature	-10~60°C			
Storage Temperature	-15~60°C			
Relative Humidity	5%~95%(Non-condensing)			
Max.Operation Altitude	4000m(Derating above 2000m)			
Certificate	RoHS/CE			
Dimensions(H*W*D)	351*277*109mm	440*292*106mm	411*343*134mm	516*422*134mm
Net Weight	4.3kg	7.3kg	8.0kg	14.3kg

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