

0.75~10KVA

Off-grid Low-frequency Solar Inverter

AC-220V

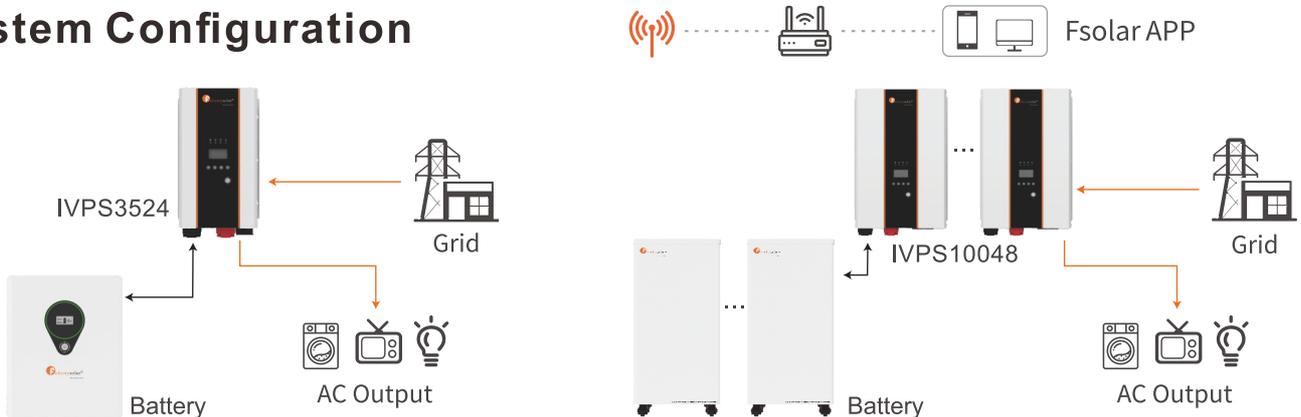
Features

- Comprehensive scientific management of electric charging and solar charging, will soon get rid of MPPT exchange.
- Bypass charging function.
- Selectable charging priority (grid/battery).
- 90-280V Wide range of AC input voltage.
- Upgraded safety protection design with industry-leading transformer over-temperature protection.
- Intelligently fine-tune the over-discharge voltage according to the load power.
- Supports up to 6 units in parallel for 10KVA (Battery must be connected).



IVPS Series

System Configuration



Model	IVPS0712	IVPS1512	IVPS2512	IVPS3524	IVPS5048	IVPS7548	IVPS10048
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Line Mode Specifications

Rated Output Power(VA)	750VA	1500VA	2500VA	3500VA	5000VA	7500VA	10000VA
Rated Output Power(W)	600W	1200W	2000W	2800W	4000W	6000W	8000W
Nominal DC Input Voltage	12V	12V	12V	24V	48V	48V	48V
Input Voltage Waveform	Sinusoidal(Utility or Generator)						
Nominal Input Voltage	220Vac						
Max. AC Input Voltage	280Vrms						
Nominal Input Frequency	50Hz/60Hz						
Output Voltage Waveform	As Same as Input Waveform						
Over-Load Protection(SMPS load)	AC 10A	AC 30A			Air Switch Protection		
Output Short Circuit Protection	AC 10A	AC 30A			Air Switch Protection		
Efficiency(Line mode)	≥95%(Rated R Load, and Battery is Fully Charged)						
Pass Through Without Battery	No						
Max. Bypass Overload Current	AC 10A	AC 30A			AC63A		

Utility Charge Mode Specifications

Nominal Input Voltage	220Vac						
Input Voltage Range	90~280Vac						
Nominal Output Voltage	Dependent on Battery Type						
Max. Charge Current	15A	18A	40A	40A	50A	60A	80A
Charge Current Regulation	0A-15A	0A-18A	0A-40A	0A-40A	0A-50A	0A-560A	0A-80A
Battery Lnitial Voltagen	Circuit Breaker						
Charger Short Circuit	AC 10A	AC 30A			AC 63A		
Breaker Size	Dependent on Battery Type or Self-defined						
Over Charge Protection	Yes						

Inverter Mode Specifications

Output Voltage Waveform	Pure Sine Wave						
Nominal Output Voltage	220Vac±5%						
Nominal Output Frequency(Hz)	50±0.3Hz/60Hz±0.3Hz(Adjustable)						
Output Voltage Regulation	±5%rms						
Peak Efficiency	90%						
Capable of Starting Electric	Yes						
Output Short Circuit Protection	Yes						
Cold Start Voltage	11.5V/23V/46V						

General Specifications

Operating Temperature	0°C~40°C						
Range Storage Temperature	-15°C~60°C						
Package Dimension(MM)	440*312*246	440*312*246	552*408*290	552x408x295	607*540*290	607*540*290	670*470*355

*Refer to Felicitysolar's Warranty Policy for applicable conditions.

