










6KVA

Off-grid High-frequency Solar Inverter

AC-220V

Features

-  Supports up to 12 units in parallel (6KVA model)
(Battery must be connected).
-  Support parameters setting via LCD screen
(input voltage/charging current/charge mode).
-  Compatible with mains voltage or generator power.
-  Built-in MPPT solar charge controller.
-  Lithium battery activation function.
-  Auto restart while AC is recovering.
-  Inverter running without battery.
-  Cold start function.
-  Built-in WiFi for mobile monitoring, APP is required



IVEM6048-II

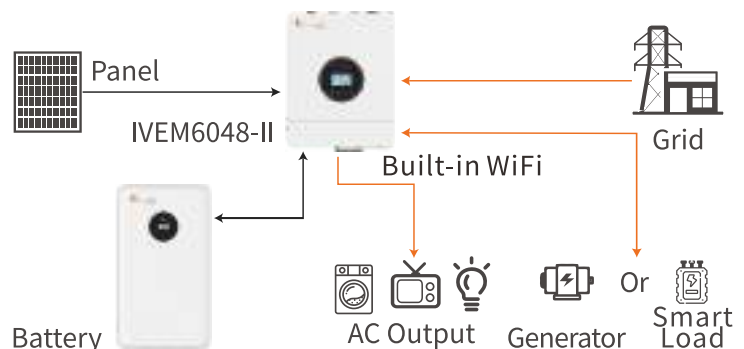
The generator input port of IVEM6048-II that can be converted into a smart output port, allowing users to customize the output duration. (under stand-alone mode)

System Configuration

■ DC

■ AC

--- Communication



Model	IVEM6048		IVEM6048-II
Line Mode Specifications			
Rated Output Power(VA)	6000VA		
Rated Output Power(W)	6000W		
Nominal DC Input Voltage	48V		
Nominal Input Voltage	230Vac		
Max. AC Input Voltage	280Vac		
Nominal Input Frequency	50Hz / 60Hz (Auto detection)		
Efficiency(Line Mode)	>95% (Rated R Load, Battery Full Charged)		
Pass Through Without Battery	Yes		
Utility Charge Mode Specifications			
Input Voltage Range	90~280Vac		
Max. Charge Current	100A	120A	
Over Charge Protection	Yes		
Solar Charging & Grid Charging			
Max.PV Open Circuit Voltage	500V		
PV Voltage Working Range	90V-450V		
Max. Input Power	7000W	7500W	
Max. Solar Charging Current	120A		
Max. Charging Current(PV+Grid)	120A		
Max. Input Current	27A		
Min. Startup Voltage	95V		
Inverter Mode Specifications			
Output Voltage Waveform	Pure Sine Wave		
Nominal Output Voltage	230Vac±5%		
Nominal Output Frequency(Hz)	50±0.3Hz/60Hz±0.3Hz(Adjustable)		
Parallel Capability	Yes, Up to 12 Units		
Peak Efficiency	93%		
Over-Load Protection(SMPS load)	5s@≥150% load; 10s @105%~150% load	Load>200%,200ms / Load >150%,5.5s Load >120%,7.5s / Load >105% 10.5s	
Surge Rating	2* Rated Power for 5s		
Capable of Starting Electric	Yes		
Output Short Circuit Protection	Yes		
General Specifications			
Operating Temperature	-10°C~50°C		
Range Storage Temperature	-15°C~60°C		
Net Weight(KG)	11.5KG	12.5KG	
Product Dimension(MM)	420*335*142MM		
Package Dimension(MM)	512*417*216MM		
Certification	CE-EMC、IEC 62109-1/2、IEC 63027		

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

