










**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**

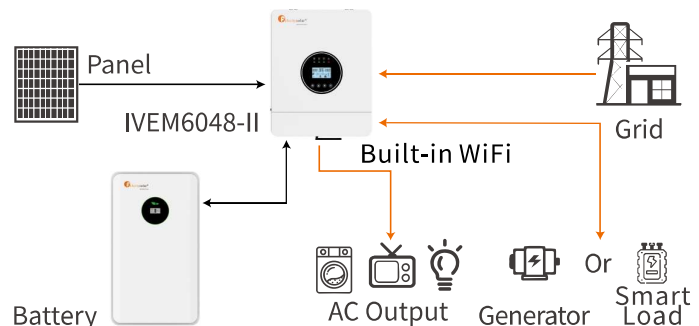
The generator input port of IVEM6048-II that can be converted into a smart output port, allowing users to customize the output duration. (under stand-alone mode)

## System Configuration

■ DC

■ AC

--- Communication



Model	IVEM6048		IVEM6048-II	
<b>Line Mode Specifications</b>				
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			
<b>Utility Charge Mode Specifications</b>				
Input Voltage Range	90~280Vac			
Max. Charge Current	100A			120A
Over Charge Protection	Yes			
<b>Solar Charging &amp; Grid Charging</b>				
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			
<b>Inverter Mode Specifications</b>				
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			
<b>General Specifications</b>				
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.

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