

Off-grid High-frequency Solar Inverter

IVEM Series AC-230V



Features

- Built-in WiFi for mobile monitoring (APP is required).
- Support parameters setting via LCD screen (input voltage/charging current/charge mode).
- Supports up to 12 units in parallel (6K) / 6 units (8K & 12K) in parallel (Battery must be connected).
- Supports generator input port reconfiguration to smart output port with customizable duration.
- Overload/ over temperature/ short circuit protection.
- Compatible with mains voltage or generator power.
- Built-in MPPT solar charge controller.
- Lithium battery activation function.
- Inverter running without battery.
- Auto restart while AC is recovering.
- Cold start function.



IVEM6048-II / 8048-II / 12048-II

Model	IVEM6048-II	IVEM8048-II	IVEM12048-II
Line Mode Specifications			
Rated Output Power(VA)	6000VA	8000VA	12000VA
Rated Output Power(W)	6000W	8000W	12000W
Nominal DC Input Voltage	48V	48V	48V
Nominal Input Voltage	230Vac		
Max. AC Input Voltage	280Vac		
Nominal Input Frequency	50Hz / 60Hz (Auto Detection)		
Pass Through Without Battery	Yes		
Utility Charging Mode Specifications /Generator Charging Mode Specifications			
Nominal Input Voltage	230Vac		
Input Voltage Range	90-280Vac		
Max. Charge Current	120A	150A	240A
Charge Current Regulation	10-120A (Adjustable Unit is 1A)	10-150A (Adjustable Unit is 1A)	10-240A (Adjustable Unit is 1A)
Over Charge Protection	Yes		
Solar Charging & Grid Charging or GEN Charging			
Max.PV Open Circuit Voltage	500V		
PV Voltage Working Range	90V-450V		
Max. Input Power	7500W	10000W(5000W for single PV)	15000W(7500W for Single PV)
Max. Solar Charging Current	120A	150A	240A
Max. Charging Current(PV+Grid or GEN)	120A	150A	240A
Max. Input Current	27A	20A X 2(MAX 40A)	27A X 2(MAX 54A)
Min. Startup Voltage	95V	100V	100V
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	Yes, Up to 6 Units	Yes, Up to 6 Units
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)	12.5KG	23.7KG	26.8KG
Product Dimension(MM)	420*335*142MM	607*464*141MM	634*476*141MM
Package Dimension(MM)	512*417*216MM	712*582*259MM	726*594*258MM
Certification	CE-EMC, IEC 62109-1/2	CE-EMC, IEC 62109-1/2	CE-EMC, IEC 62109-1/2

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

