

8KVA

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 6 units in parallel 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.



IVEM8048-II



Model	IVEM8048-II
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Line Mode Specifications

Rated Output Power(VA)	8000VA
Rated Output Power(W)	8000W
Nominal DC Input Voltage	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	150A
Charge Current Regulation	10-150A (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	10000W(5000W for single PV)
Max. Solar Charging Current	150A
Max. Charging Current(PV+Grid or GEN)	150A
Max. Input Current	20A X 2 (MAX 40A)
Min. Startup Voltage	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 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)	23.7KG
Product Dimension(MM)	607*464*141MM
Package Dimension(MM)	712*582*259MM
Certification	CE-EMC、IEC 62109-1/2、IEC 63027

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

