

4KVA

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 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.



IVEM4024-II



Model	IVEM4024-II
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Line Mode Specifications

Rated Output Power(VA)	4000VA
Rated Output Power(W)	4000W
Nominal DC Input Voltage	24V
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
Charge Current Regulation	10-120A (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	60V-500V
Max. Input Power	6000W
Max. Solar Charging Current	120A
Max. Charging Current(PV+Grid or GEN)	120A
Max. Input Current	27A
Min. Startup Voltage	60V

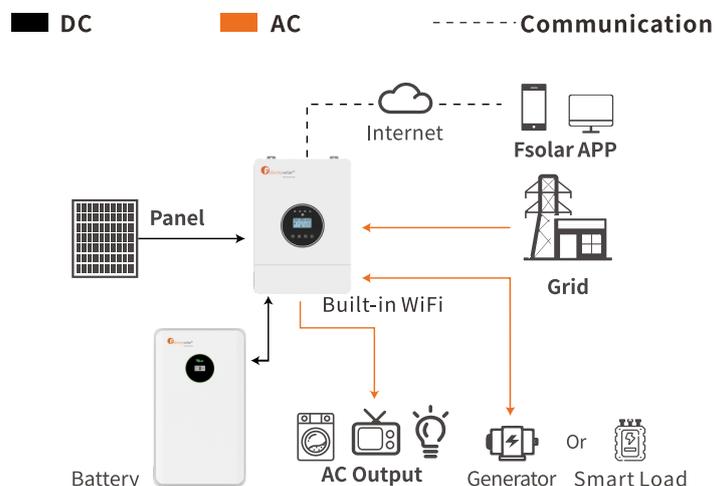
Inverter Mode Specifications

Output Voltage Waveform	Pure Sine Wave
Nominal Output Voltage	230Vac+5%
Nominal Output Frequency(Hz)	50±0.3Hz/60Hz±0.3Hz(Adjustable)
Parallel Capability	No
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)	10.4KG
Product Dimension(MM)	430*310*120MM
Package Dimension(MM)	507*387*197MM
Certification	CE-EMC、IEC62109-1/2

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



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