

# 3 KVA

## Off-grid High-frequency Solar Inverter

IVEM Series **AC-230V**

### Features

- Supports 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.



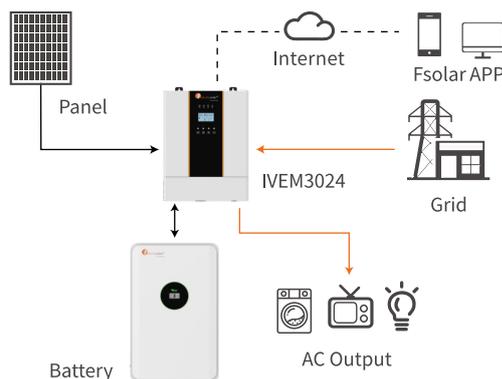
IVEM3024

### System Configuration

■ DC

■ AC

----- Communication



Model	IVEM3024
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### Line Mode Specifications

Rated Output Power(VA)	3000VA
Rated Output Power(W)	3000W
Nominal DC Input Voltage	24V
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

Nominal Input Voltage	230Vac
Input Voltage Range	90-280Vac
Max. Charge Current	100A
Over Charge Protection	Yes

### Solar Charging & Grid Charging

Max. PV Open Circuit Voltage	500V
PV Voltage Working Range	120V-500V
Max. Input Power	4000W
Max. Solar Charging Current	100A
Max. Charging Current(PV+Grid)	100A
Max. Input Current	15A
Min. Startup Voltage	125V

### 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
Peak Efficiency	93%
Over-Load Protection(SMPS load)	5.5s@≥150% Load; 10.5s @105% ~150%Load
Surge Rating	2* Rated Power for 5s
Capable of Starting Electric	Yes
Output Short Circuit Protection	Yes

### General Specifications

Operating Temperature	0°C~55°C
Range Storage Temperature	-15°C~60°C
Net Weight(KG)	10.8KG
Product Dimension(MM)	395*295*129MM
Package Dimension(MM)	472*372*202MM
Certification	CE-EMC、IEC 62109-1/2、IEC 63027

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

