

8KVA

Off-grid High-frequency Solar Inverter

AC-230V

Features

- Supports up to 6 units in parallel (Battery must be connected).
- Built-in MPPT solar charge controller with 2 strings of solar input.
- Built-in WiFi for mobile monitoring (APP is required).
- Overload/ over temperature/ short circuit protection.
- Lithium battery activation function.
- Support parameters setting via LCD screen.
- Compatible to mains voltage or generator power.
- Auto restart while AC is recovering.
- Inverter running without battery.
- Cold start function.



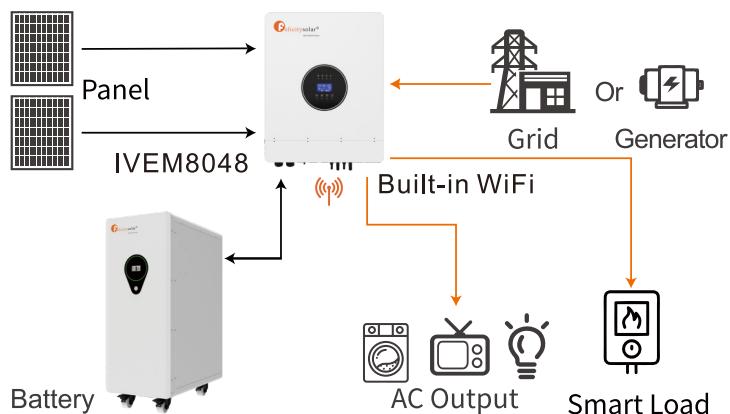
IVEM8048

System Configuration

■ DC

■ AC

--- Communication



Model	IVEM8048
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)
Efficiency(Line Mode)	>95% (Rated R Load, Battery Full Charged)
Pass Through Without Battery	Yes
Utility Charge Mode Specifications	
Input Voltage Range	230Vac
Over Charge Protection	90-280Vac
Max. Charge Current	150A
Over Charge Protection	Yes
Solar Charging & Grid 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)	150A
Max. Input Current	20A X 2(MAX 40A)
Min. Startup Voltage	100V
Number of MPP Trackers / Strings Per MPP Tracker	2/1
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
Peak Efficiency	94.5%
Over-Load Protection(SMPS load)	5s@≥150% load; 10s @105% ~150% load
Surge Rating	2* rated power for 5s
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
Gross Weight(KG)	27.4KG
Product Dimension(MM)	607*406*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.

