

Off-grid High-frequency Solar Inverter

IVEM Series **AC-220V**

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.

The generator input port of IVEM8048-II can be converted into a smart output port, allowing users to customize the output duration (under stand-alone mode).



IVEM8048

IVEM8048-II

Model	IVEM8048	IVEM8048-II
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	

