![Felicitysolar® - Make life full of hope]

3·5KVA

Off-grid High-frequency Solar Inverter

IVEM Series AC-110/120V

Features

- Supports up to 6 units in parallel for 5KVA (Battery must be connected).
- Support 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.

IVEM3048/5048-LV

Official Website   Facebook

Model	IVEM3048-LV	IVEM5048-LV
Line Mode Specifications		
Rated Output Power(VA)	3000VA	5000VA
Rated Output Power(W)	3000W	5000W
Nominal DC Input Voltage	48V	48V
Input Voltage Waveform	Sinusoidal (Utility or Generator)	
Nominal Input Voltage	110/120Vac	
Nominal Input Frequency	50Hz / 60Hz (Auto Detection)	
Max. Bypass Overload Current	40A	63A
Max. Inverter/Rectifier Current	30A/3000W	50A/5000W
Utility Charge Mode Specifications		
Nominal Input Voltage	110Vac	
Input Voltage Range	65-140Vac	
Nominal Output Voltage	Dependent on BatteryType	
Max. Charge Current	60A	100A
Solar Charging & Grid Charging		
Max. PV Open Circuit Voltage	500V	
PV Voltage Range	90V-500V	
Max. PV Input Power	4000W	6000W
Max. PV Charging Current	60A	100A
Max. Charging Current(PV+Grid)	60A	100A
Max. PV Input Current	15A	20A
Min. Startup Voltage	100V	
Inverter Mode Specifications		
Output Voltage Waveform	Pure Sine Wave	
Nominal Output Voltage	110Vac+5%	
Nominal Output Frequency(Hz)	50±0.3Hz/60Hz±0.3Hz(Adjustable)	
Parallel Capability	No	Yes, Up to 6 Units
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	-10℃~+50℃	
Range Storage Temperature	-15℃~+60℃	
Net Weight(KG)	11.9KG	13.1KG
Gross Weight(KG)	14.2KG	15KG
Product Dimension(MM)	440*328*130MM	460*343*137MM
Package Dimension(MM)	542*430*224MM	562*443.5*231MM
Certification	CE-EMC、IEC 62109-1/2、Colombia RETIE	

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