















SOLAR INVERTER IVEM-LV 3024-5048 SERIES

-  Pure sine wave inverter.
-  Built-in MPPT solar charge controller.
-  Configurable input voltage range for home appliances and personal computers via LCD setting.
-  Configurable battery charging current based on applications via LCD setting.
-  Configurable AC/Solar Charger priority via LCD setting.
-  Compatible to mains voltage or generator power.
-  Auto restart while AC is recovering.
-  Parallel connection quantity up to 6 units for 5KVA model (Battery must be connected).
-  Intelligent fan control greatly reduces fan noise.
-  Lithium battery activation function.
-  Inverter running without battery.
-  Cold start function.

Specification

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	110Vac	
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	110Vac	
Input Voltage Range	65-140Vac	
Max. Charge Current	60A	100A
Over Charge Protection	Yes	
Solar Charging & Grid Charging		
Max. PV Open Circuit Voltage	500V	
PV Voltage Working Range	90V-500V	
Max. Input Power	4000W	6000W
Max. Solar Charging Current	60A	100A
Max. Charging Current(PV+Grid)	60A	100A
Max. Input Current	15A	20A
Min. Startup Voltage	100V	
Inverter Mode Specifications		
Rated Output Power(VA)	3000VA	5000VA
Rated Output Power(W)	3000W	5000W
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	
General Specifications		
Net Weight(KG)	11.9KG	13.1KG
Gross Weight(KG)	14.2KG	15KG
Product Dimension(D*W*H)	440x328x130MM	460x343x137MM
Package Dimension(D*W*H)	542x400x224MM	562x443x231MM