













## SOLAR INVERTER

### IVEM8048

-  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.
-  Built-in Wi-Fi for mobile monitoring (APP is required).
-  Configurable second AC output (Output time customization).
-  Parallel connection quantity up to 6 units (Battery must be connected).

## Specification

Model	IVEM8048
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
<b>Utility Charge Mode Specifications</b>	
Input Voltage Range	90-280Vac
Over Charge Protection	Yes
<b>Solar Charging &amp; Grid Charging</b>	
Max. PV Open Circuit Voltage	500V
PV Voltage Working Range	90V-450V
Max. Input Power	8000W(5000W for single PV)
Max. Solar Charging Current	150A
Max. Charging Current(PV+Grid)	150A
Max. Input Current	20A×2(MAX 40A)
Min. Startup Voltage	100V
<b>Inverter Mode Specifications</b>	
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	93%
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
<b>General Specifications</b>	
Operating Temperature	0°C~55°C
Range Storage Temperature	-15°C~60°C
Net Weight(KG)	23.7KG
Product Dimension (D*W*H)	607×406×141MM
Package Dimension (D*W*H)	712×582×259MM