

SOLAR INVERTER

IVEM8048 SERIES



FEATURES

- 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 6units (Battery must be connected).
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OVERLOAD

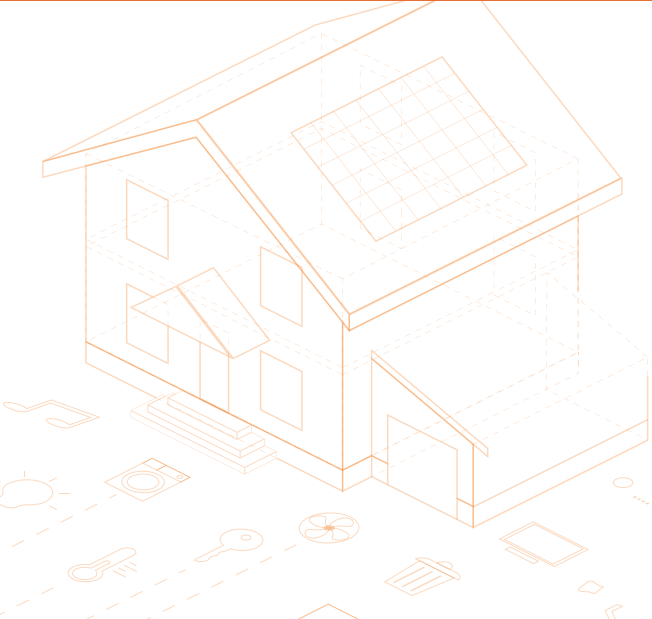
LOW NOISE

MAX 6 PCS IN PARALLEL

SHORT CIRCUIT PROTECTION

OVER TEMPERATURE PROTECTION

MAX PV VOLTAGE 500V



PRODUCT PARAMETERS

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
Utility Charge Mode Specifications	
Input Voltage Range	90-280Vac
Over Charge Protection	Yes
Solar Charging & Grid Charging	
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
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	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
General Specifications	
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