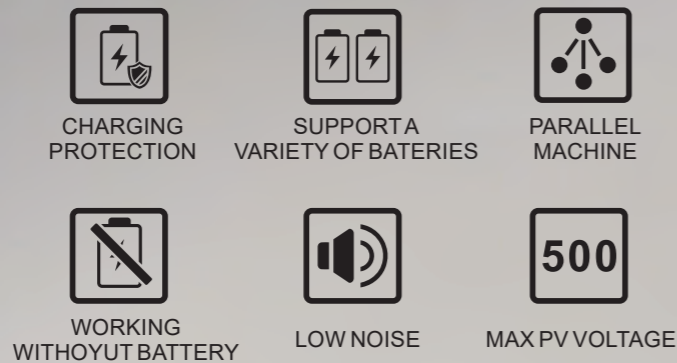


Off grid hybrid inverter IVEM series

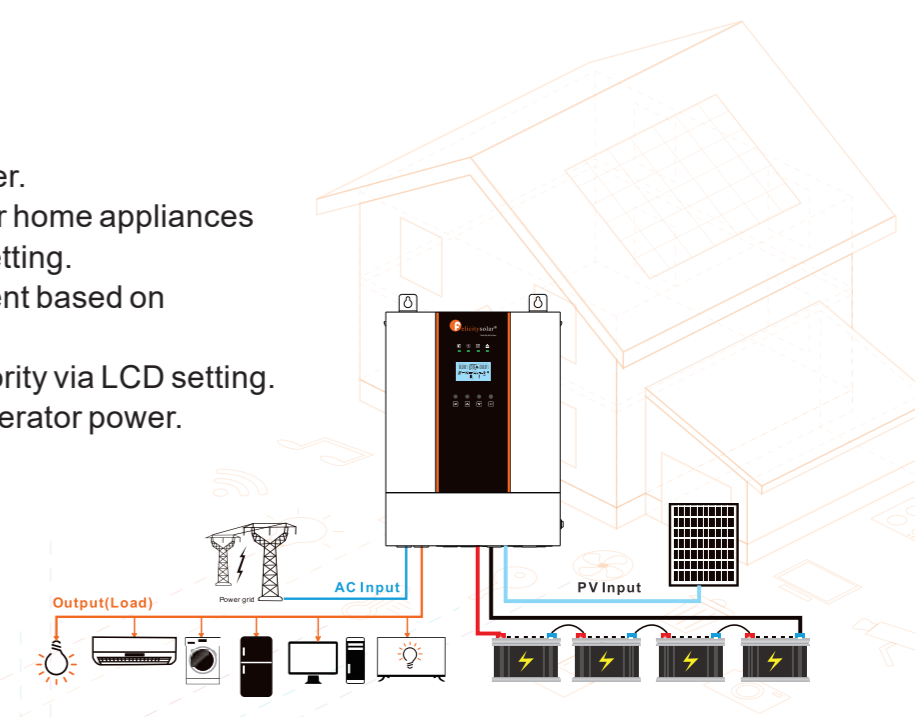
Upgrade system, Stronger protection

48V



Product Advantages

- 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.
- Inverter running without battery.
- Lithium battery activation function.
- Cold start function.



PRODUCT PARAMETERS

Model	IVEM5048	IVEM8048
Model Rated Output Power(VA)	5000VA	8000VA
Rated Output Power(W)	5000W	8000W
Nominal DC Input Voltage	48V	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 & Utility Charging		
Max. PV Open Circuit Voltage	500V	
PV Voltage Working Range	120V-500V	
Max. Input Power	6000W	8000W(5000W for single PV)
Max. Solar Charging Current	100A	150A
Max. Charging Current(PV+Grid)	100A	150A
Max. Input Current	20A	40A
Min. Startup Voltage	125V	100A
Inverter Mode Specifications		
Output Voltage Waveform	Pure sine wave	As same as input waveform
Nominal Output Voltage	230Vac±5%	Dependent on battery type
Nominal Output Frequency (Hz)	50±0.3Hz/60Hz±0.3Hz (Adjustable)	
Parallel capability	Yes, up to 12 units	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)	11.2KG	23.7KG
Product Size (D*W*H)	415x320x129mm	620*464*141mm
Package Dimension (D*W*H)	514x419x222mm	712*582*259mm