



HYBRID SOLAR INVERTER IVEM SERIES

Features



Charging protection



Working without battery



Support a variety of batteries



Low noise



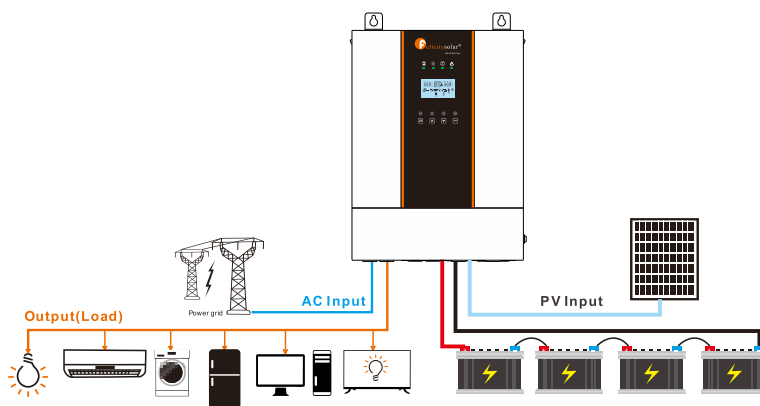
MAX PV Voltage



Parallel machine

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
Rated Output Power(VA)	5000VA
Rated Output Power(W)	5000W
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 & Utility Charging	
Max. PV Open Circuit Voltage	500V
PV Voltage Working Range	120V – 500V
Max. Input Power	6000W
Max. Solar Charging Current	100A
Max. Charging Current(PV+Grid)	100A
Max. Input Current	20A
Min. Startup Voltage	125V
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 Unit	12
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
Gross Weight(KG)	13.2KG
Product Size (D*W*H)	415x320x129mm
Package Dimension (D*W*H)	514x419x222mm