Felicitysolar®

Make life full of hope

6KVA

Off-grid High-frequency Solar Inverter

AC-230V

Features

- Supports up to 12 units in parallel (6KVA model) (Battery must be connected).
- Support parameters setting via LCD screen (input voltage/charging current/charge mode).
- Compatible with mains voltage or generator power.
- Built-in MPPT solar charge controller.
- Lithium battery activation function.
- Auto restart while AC is recovering.
- Inverter running without battery.
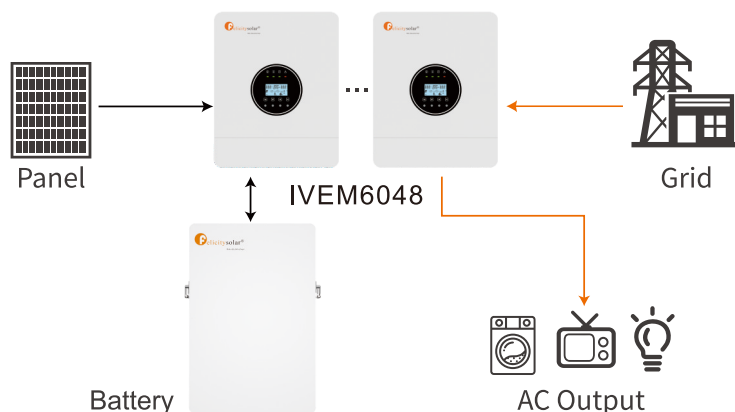- Cold start function.

IVEM6048

System Configuration

- ▬ DC
- ▬ AC
- ─ ─ ─ ─ Communication

Panel

IVEM6048

Grid

Battery

AC Output

Official Website   Facebook

Model	IVEM6048
Line Mode Specifications	
Rated Output Power(VA)	6000VA
Rated Output Power(W)	6000W
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
Max. Charge Current	100A
Over Charge Protection	Yes
Solar Charging & Grid Charging	
Max.PV Open Circuit Voltage	500V
PV Voltage Working Range	90V-450V
Max. Input Power	7000W
Max. Solar Charging Current	120A
Max. Charging Current(PV+Grid)	120A
Max. Input Current	27A
Min. Startup Voltage	95V
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 12 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	-10℃~50℃
Range Storage Temperature	-15℃~60℃
Net Weight(KG)	11.5KG
Product Dimension(MM)	420*335*142MM
Package Dimension(MM)	512*417*216MM
Certification	CE-EMC、IEC 62109-1/2、IEC 63027

*Refer to Felicitysolar's Warranty Policy for applicable conditions.