



Inverter Mode Specifications	
Model	IVEM6048-II
Rated Output Power	6000VA
	6000W
Nominal DC Input Voltage	48V
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)	Load>200%,200ms / Load >150%,5.5s Load >120%,7.5s / Load >105% 10.5s
Surge Rating	2* rated power for 5s
Capable of Starting Electric	Yes
Output Short Circuit Protection	Yes
Cold Start Voltage	46V
Low Battery Alarm Load < 50% @Load ≥ 50%	45.0V 44.0V
Low Battery Alarm Recovery Load < 50% @Load ≥ 50%	47.0V 46.0V
Low DC Input Shut-down Load < 50% @Load ≥ 50%	43.0V 42.0V
High DC Input Alarm & Fault	62V±0.4V
High DC Input Recovery	60V±0.4V
General Specifications	
Operating Temperature	-10℃~50℃
Range Storage Temperature	-15℃~60℃
Net Weight (Kg)	12.5kg
Product Size (D*W*H)	420 x 335 x 142mm
Package Dimension (D*W*H)	512 x 417 x 216mm

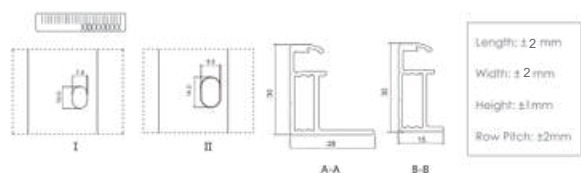
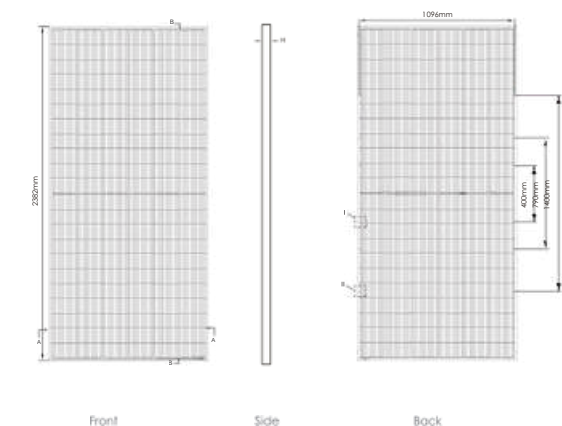
Model	FLA48100	FLA48200
Battery Type	LiFePO4	
Nominal Energy	5.12kWh	10kWh
Nominal Voltage	51.2V	51.2V
Operating Voltage	44.8-57.6V	44.8-57.6V
Recommend Charge/Discharge Current[1]	≤100A	≤120A
Recommend Charge/Discharge Power[1]	≤5,000W	≤6,000W
Maximum Charge/Discharge Current(15s)	150A	150A
Maximum Charge/Discharge Power(15s)	7,500W	7,500W
Scalability	Max. 15 pcs in Parallel(76.8kWh)	Max. 15 pcs in Parallel(150kWh)
Depth of Discharge(DOD)	≥95%	
Communication	RS485/CAN	
Protection Degree	IP21	
Cycle Life	≥ 6000 Cycles (25°C±2°C,0.5C/0.5C,90%DOD,70%EOL)	
Charging Temperature Range	0°C~+55 °C	
Discharging Temperature Range	-20°C~+55 °C	
Display Type	LCD+LED	
Installation	Wall-Mounted / Floor-Mounted	
Protection	Built-in smart BMS, Breaker, Fuse	
Warranty Period	7 Years	
Certification	UN38.3、CE-EMC、 IEC 62619	UN38.3、CE-EMC、 IEC 62619、CB
Product Weight	48KG	68KG
Package Weight	55KG	88KG
Product Dimension	663X400X178MM	735X433X188MM
Package Dimension	782X522X262MM	849X550X362MM

[1] Max. Continuous Charge/Discharge Current is Affected by Temperature and SOC.

*Product specifications may vary during continuous improvements. Please contact us for latest details.

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



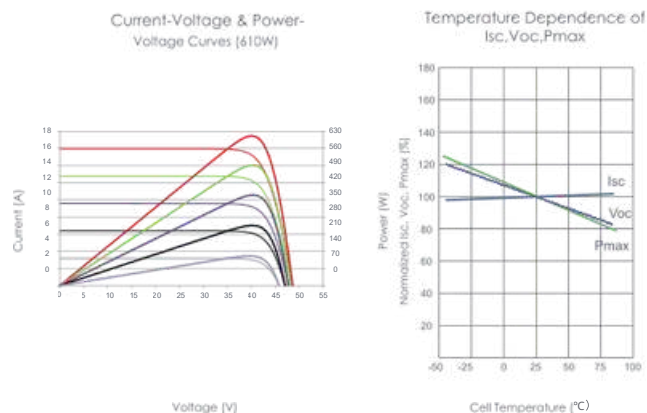


Packaging Configuration

(Two pallets=One stack)

36pcs/pallets, 72pcs/stack, 720pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	132 (2×66)
Dimensions	2382×1134×30mm (93.78×44.65×1.18 inch)
Weight	33.4kg (73.63 lbs)
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4.0mm ² (+): 400mm , (-): 200mm or Customized Length

SPECIFICATIONS

Module Type	JKM600N-66HL4M-BDV		JKM605N-66HL4M-BDV		JKM610N-66HL4M-BDV		JKM615N-66HL4M-BDV		JKM620N-66HL4M-BDV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	600Wp	453Wp	605Wp	457Wp	610Wp	461Wp	615Wp	464Wp	620Wp	468Wp
Maximum Power Voltage (Vmp)	40.16V	37.60V	40.31V	37.76V	40.46V	37.92V	40.60V	38.10V	40.74V	38.25V
Maximum Power Current (Imp)	14.94A	12.05A	15.01A	12.10A	15.08A	12.15A	15.15A	12.19A	15.22A	12.24A
Open-circuit Voltage (Voc)	48.28V	45.86V	48.48V	46.05V	48.68V	46.24V	48.88V	46.43V	49.08V	46.62V
Short-circuit Current (Isc)	15.84A	12.79A	15.90A	12.83A	15.96A	12.88A	16.02A	12.93A	16.08A	12.98A
Module Efficiency STC (%)	22.21%		22.40%		22.58%		22.77%		22.95%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	35A									
Power tolerance	0~+3%									
Temperature coefficient of Pmax	-0.29%/ °C									
Temperature coefficient of Voc	-0.25%/°C									
Temperature coefficient of Isc	0.045%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									
Refer. Bifacial Factor	80±5%									

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

	Maximum Power (Pmax)	Module Efficiency STC (%)	Maximum Power (Pmax)	Module Efficiency STC (%)	Maximum Power (Pmax)	Module Efficiency STC (%)	Maximum Power (Pmax)	Module Efficiency STC (%)	Maximum Power (Pmax)	Module Efficiency STC (%)
5%	630Wp	23.32%	635Wp	23.52%	641Wp	23.71%	646Wp	23.91%	651Wp	24.10%
15%	690Wp	25.54%	696Wp	25.76%	702Wp	25.97%	707Wp	26.18%	713Wp	26.40%
25%	750Wp	27.77%	756Wp	28.00%	763Wp	28.23%	769Wp	28.46%	775Wp	28.69%

*STC:  Irradiance 1000W/m²

 Cell Temperature 25°C

 AM=1.5

NOCT:  Irradiance 800W/m²

 Ambient Temperature 20°C

 AM=1.5

 Wind Speed 1m/s