



Parámetros del Producto

| Modelo | IVEM8048 |
|--|---|
| Especificaciones del modo de línea | |
| Potencia nominal de salida (VA) | 8000VA |
| Potencia nominal de salida (W) | 8000W |
| Tensión nominal de entrada DC | 48V |
| Tensión nominal de entrada | 230Vac |
| Máx. tensión de entrada AC | 280Vac |
| Frecuencia nominal de entrada | 50Hz / 60Hz (Detección automática) |
| Eficiencia (Modo Línea) | >95% (Carga nominal R, batería completamente cargada) |
| Paso sin batería | Sí |
| Especificaciones del modo de carga utilitaria | |
| Tensión nominal de entrada | 230Vac |
| Rango de tensión de entrada | 90-280Vac |
| Corriente Corriente de carga | 150A |
| Protección contra sobrecarga | Sí |
| Carga solar y carga de red | |
| Máx. tensión FV en circuito abierto | 500V |
| Rango de trabajo de tensión FV | 90V-450V |
| Potencia de entrada máx. | 10000W(5000W para PV único) |
| Corriente de carga solar máx. | 150A |
| Corriente de carga máx. (FV+red) | 150A |
| Corriente de entrada máx. | 20A X 2(MAX. 40A) |
| Mín. Tensión de arranque | 100V |
| Especificaciones del modo inversor | |
| Forma de onda de la tensión de salida | Onda sinusoidal pura |
| Tensión nominal de salida | 230Vac+5% |
| Frecuencia nominal de salida (Hz) | 50±0.3Hz/60Hz±0.3Hz(Ajustable) |
| Capacidad en paralelo | Sí, hasta 6 unidades |
| Eficiencia pico | 93% |
| Protección contra sobrecarga (carga SMPS) | 5s@≥150%carga;10s@105%~150%carga |
| Capacidad de sobretensión | 2* potencia nominal para 5s |
| Capacidad de arranque eléctrico | Sí |
| Protección contra cortocircuitos de salida | Sí |
| Especificaciones generales | |
| Temperatura de funcionamiento | 0°C~55°C |
| Temperatura de almacenamiento | -15°C~60°C |
| Peso neto(KG) | 23.7KG |
| Peso bruto(KG) | 27.4KG |
| Medidas del producto(MM) | 607*406*141MM |
| Medidas del paquete(MM) | 712*582*259MM |

| 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 |

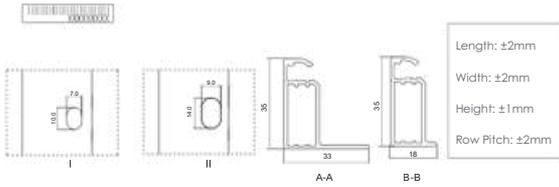
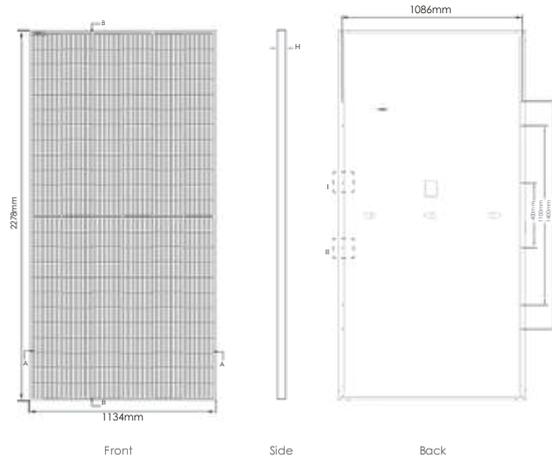
[1] Max. Continuous Charge/Discharge Current is Affected by Temperature and SOC.

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

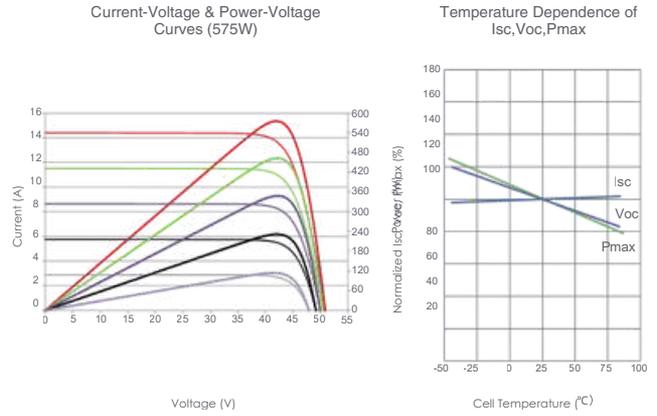
*Refer to Felicitysolar's Warranty Policy for applicable conditions.



Engineering Drawings



Electrical Performance & Temperature Dependence



Mechanical Characteristics

| | |
|---------------|---|
| Cell Type No. | Ntype Mono-crystalline |
| of cells | 144 (6×24) |
| Dimensions | 2278×1134×35mm (89.69×44.65×1.38 inch) |
| Weight | 28 kg (61.73 lbs) |
| Front Glass | 3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass |
| Frame | Anodized Aluminium Alloy |
| Junction Box | IP68 Rated |
| Output Cables | TUV 1×4.0mm ² (+): 400mm, (-): 200mm or Customized Length |

Packaging Configuration

(Two pallets = One stack)

31 pcs/pallets, 62 pcs/stack, 620 pcs/ 40'HQ Container

SPECIFICATIONS

| Module Type | JKM565N-72HL4 | | JKM570N-72HL4 | | JKM575N-72HL4 | | JKM580N-72HL4 | | JKM585N-72HL4 | |
|---|--------------------|-----------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|
| | JKM565N-72HL4 | JKM565N-72HL4-V | JKM570N-72HL4 | JKM570N-72HL4-V | JKM575N-72HL4 | JKM575N-72HL4-V | JKM580N-72HL4 | JKM580N-72HL4-V | JKM585N-72HL4 | JKM585N-72HL4-V |
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (Pmax) | 565Wp | 425Wp | 570Wp | 429Wp | 575Wp | 432Wp | 580Wp | 436Wp | 585Wp | 440Wp |
| Maximum Power Voltage (Vmp) | 41.92V | 39.38V | 42.07V | 39.51V | 42.22V | 39.60V | 42.37V | 39.69V | 42.52V | 39.81V |
| Maximum Power Current (Imp) | 13.48A | 10.79A | 13.55A | 10.85A | 13.62A | 10.92A | 13.69A | 10.99A | 13.76A | 11.05A |
| Open-circuit Voltage (Voc) | 50.60V | 48.06V | 50.74V | 48.20V | 50.88V | 48.33V | 51.02V | 48.46V | 51.16V | 48.60V |
| Short-circuit Current (Isc) | 14.23A | 11.49A | 14.31A | 11.55A | 14.39A | 11.62A | 14.47A | 11.68A | 14.55A | 11.75A |
| Module Efficiency STC (%) Operating | 21.87% | | 22.07% | | 22.26% | | 22.45% | | 22.65% | |
| Temperature (°C) | -40°C ~ +85°C | | | | | | | | | |
| Maximum system voltage | 1000/1500VDC (IEC) | | | | | | | | | |
| Maximum series fuse rating | 25A | | | | | | | | | |
| Power tolerance | 0~+3% | | | | | | | | | |
| Temperature coefficients of Pmax | -0.29%/°C | | | | | | | | | |
| Temperature coefficients of Voc | -0.25%/°C | | | | | | | | | |
| Temperature coefficients of Isc Nominal | 0.045%/°C | | | | | | | | | |
| operating cell temperature (NOCT) | 45±2°C | | | | | | | | | |