



## Parámetros del Producto

Modelo	IVEM8048
<b>Especificaciones del modo de línea</b>	
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
<b>Especificaciones del modo de carga utilitaria</b>	
Tensión nominal de entrada	230Vac
Rango de tensión de entrada	90-280Vac
Corriente Corriente de carga	150A
Protección contra sobrecarga	Sí
<b>Carga solar y carga de red</b>	
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
<b>Especificaciones del modo inversor</b>	
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
<b>Especificaciones generales</b>	
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

## 2.3 Specifications

Model	FLA48300
Capacity	15kWh
Battery Type	LiFePO4
Nominal Voltage	51.2V
Operating Voltage	44.8-57.6V
Recommend Charge/Discharge Current[1]	≤150A
Recommend Charge/Discharge Power[1]	≤7,500W
Maximum Charge/Discharge Current(15s)	200A
Maximum Charge/Discharge Power(15s)	10,000W
Depth of Discharge(DOD)	≥ 95%
Scalability	Up to 15 units in parallel(225kWh)
Communication	RS485 / CAN
Protection Level	IP21
Cycle Life[2]	≥ 6,000 Cycles
Charging Temperature Range	0-55 °C
Discharging Temperature Range	-20-55 °C
Display	LCD+LED
Installation	Floor-Mounted
Protection	Built-in smart BMS, Breaker, Fuse
Warranty	7 Years
Net Weight	135kg
Gross Weight	160kg
Product Dimension	480x1100x300mm
Package Dimension	1150x635x498mm
[1] Recommend charge/discharge current/power is affected by temperature and SOC.	
[2] Test conditions: 0.2C Charging/Discharging @25°C, 80% DOD.	



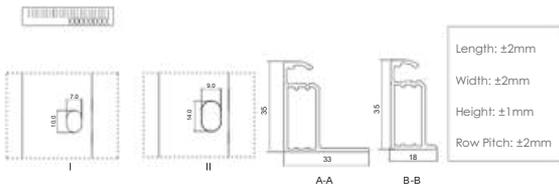
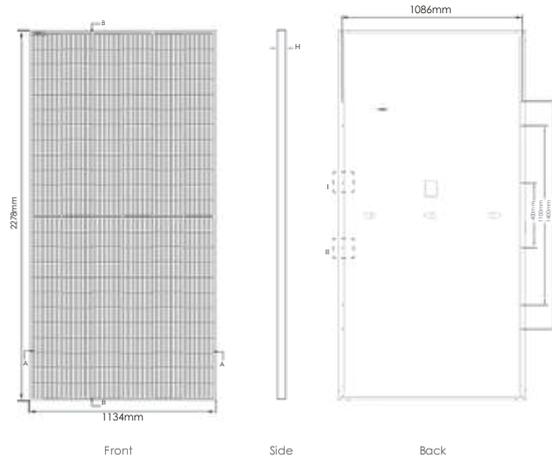
## 2.4 Recommended Settings

Lithium battery pack is not same as lead-acid battery, so for the devices which you connect with the battery pack for charging or discharging, such as inverters, MPPT charger controllers or UPS, please implement pre-settings as recommended settings as below before you launched them.

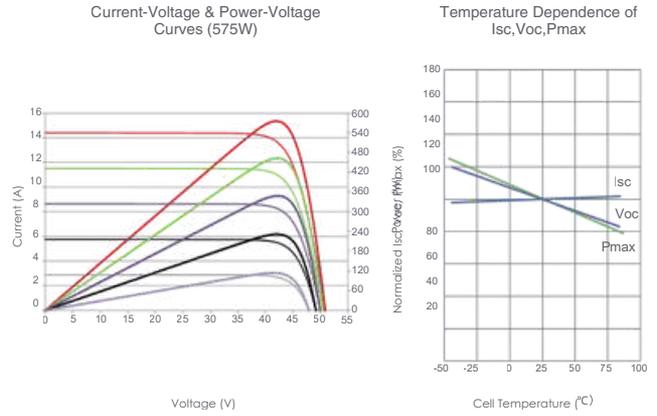
Setting	FLA48300
Max. Charging Voltage	57.6V
Floating Charging Voltage	57.6V
Max. Charging Current	150A*N
Cut-off Voltage	48V

Notes: "N" means the number of battery packs connected in parallel.

## 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 <sup>2</sup> (+): 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									