

INVERSOR SOLAR IVCM Serie

Sistema inteligente, carga más rápida



Parámetros Del Producto

Model	IVCM1012
Potencia nominal	1000VA/1000W
Potencia máxima instantánea	2000VA
Voltaje de entrada CC nominal	12V
Tipo de onda de salida	Onda sinusoidal pura
Voltaje de salida nominal	230Vac±5%
Frecuencia de salida nominal (Hz)	50Hz/60Hz (Detección automática)
Eficiencia maxima	93%
Protección contra sobrecarga	5s@≥150% de la Carga;10s@110%~150% de la Carga
Aumento de tensión	
Arranque de dispositivos eléctricos	Sí
Protección contra cortocircuito	Sí
Voltaje de de arranque en frío	11.5V
Alarma de batería baja	
@ Carga ≤ 20%	11.0V
20% < Carga ≤ 50%	10.7V
@ Carga ≥ 50%	10.1V
Baja recuperación de battery Alarm	
@Carga ≤ 20%	11.5V
@ 20% < Carga ≤ 50%	11.2V
@ Carga ≥ 50%	10.6V
Low DC Input shut-down	
@Carga ≤ 20%	10.5V
@ 20% < Carga ≤ 50%	10.2V
@Carga ≥ 50%	9.6V
Alarma de alta voltaje de entrada/protección	15V
Recuperación de alto voltaje de entrada	14.5V
Especificaciones generales	
Temperatura de operación	-10°C~55°C
Temperatura de almacenamiento	-15°C~60°C
Peso neto(KG)	5KG
Medidas del producto(MM)	328*232*107MM
Medidas del paquete(MM)	422*314*182MM

2.3 Specifications

Model	FLA12200
Energy	2.56kWh
Battery Type	LiFePO4
Nominal Voltage	12.8V
Operating Voltage	11.2-14.4V
Recommend Charge/Discharge Current[1]	≤120A
Recommend Charge/Discharge Power[1]	≤1,500W
Maximum Charge/Discharge Current(15s)	200A
Maximum Charge/Discharge Power(15s)	2,500W
Depth of Discharge(DOD)	≥ 95%
Scalability	Up to 16 units in parallel(40.96kWh)
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, Fuse
Warranty	5 Years
Net Weight	15kg
Gross Weight	18kg
Product Dimension	328×248×199mm
Package Dimension	391×310×257mm
[1] Recommend charge/discharge current/power is affected by temperature and SOC.	
[2] Test conditions: 0.2C Charging/Discharging @25°C, 80% DOD.	



Make life full of hope

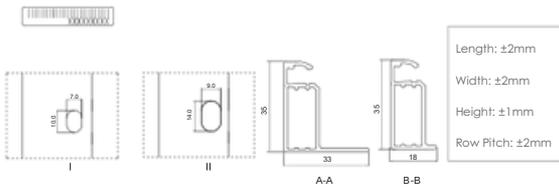
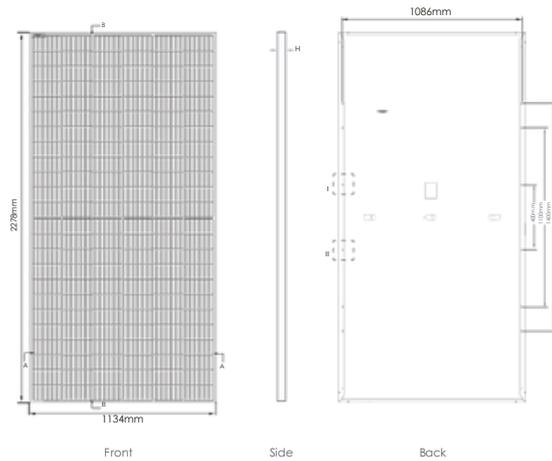


2.4 Recommended Settings

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	FLA12200
Max. Charging Voltage	14.4V
Floating Charging Voltage	14.4V
Max. Charging Current	120A*N
Cut-off Voltage	12V

Engineering Drawings



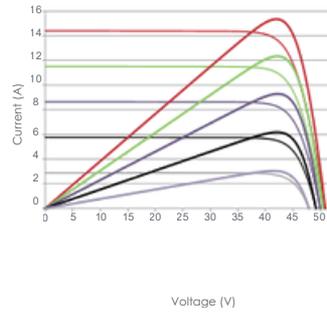
Packaging Configuration

(Two pallets=One stack)

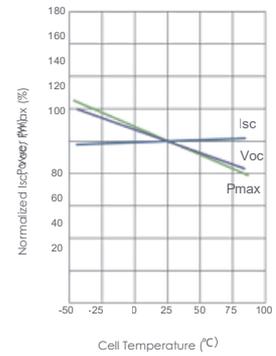
31 pcs/pallets, 62 pcs/stack, 620 pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (575W)



Temperature Dependence of Isc, Voc, Pmax



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

SPECIFICATIONS

Module Type	JKM565N-72HL4		JKM570N-72HL4		JKM575N-72HL4		JKM580N-72HL4		JKM585N-72HL4	
	JKM565N-72HL4-V	JKM570N-72HL4-V	JKM575N-72HL4-V	JKM580N-72HL4-V	JKM585N-72HL4-V	JKM565N-72HL4-V	JKM570N-72HL4-V	JKM575N-72HL4-V	JKM580N-72HL4-V	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									

*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