



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

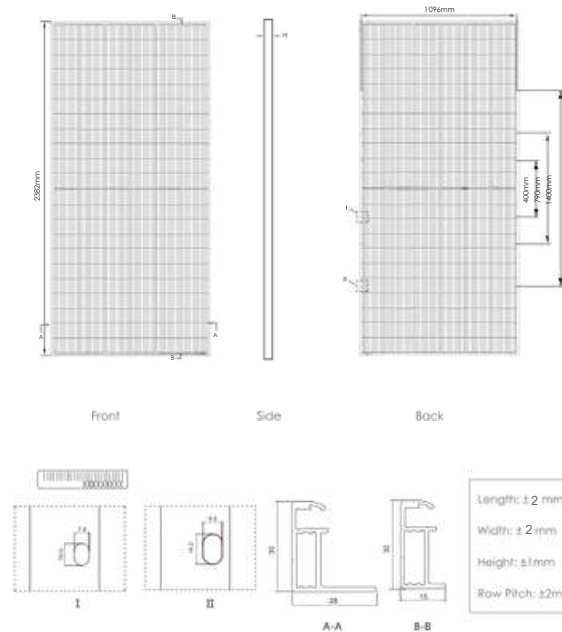
Model	FLA12200
Energy	2.56kWh
Battery Type	LiFePO4
Nominal Voltage	12.8V
Operating Voltage	11.2-14.4V
Recommend Charge/Discharge Current[1]	≤120A
Recommend Charge/Discharge Power[1]	≤1,500W
Maximum Charge/Discharge Current(15s)	200A
Maximum Charge/Discharge Power(15s)	2,500W
Depth of Discharge(DOD)	≥ 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.	



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

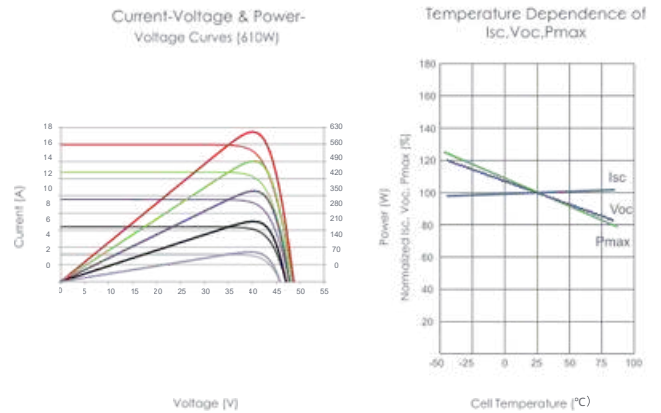


Packaging Configuration

(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