

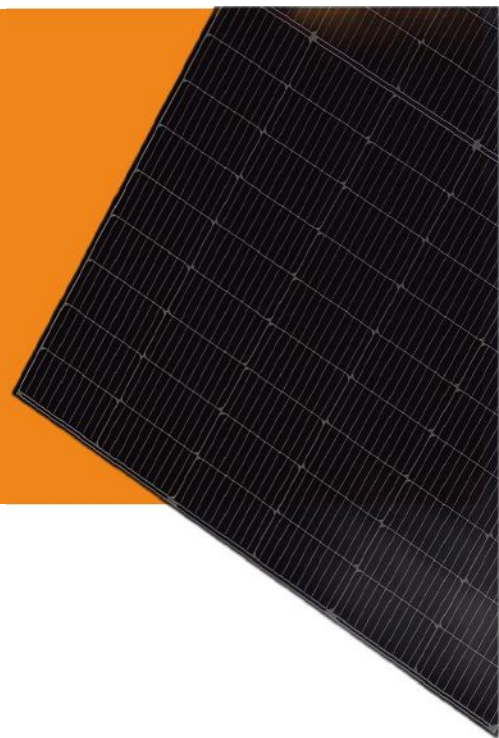
Solargiga Energy

Giga Sup7

JMPV-X6/60-460~470(R)

MONO-CRYSTALLINE CONVENTIONAL HALF-CUT MODULE

| | | |
|---------------|--------------------|-----------------|
| Maximum Power | Maximum Efficiency | Power Tolerance |
| 470W | 21.72% | 0~+5W |



CELL TYPE

N-Type/MBB/Monocrystalline/Half-Cell



HIGH EFFICIENCY, HIGH GENERATION

Based on 182mm wafer, using TOPCon cell technology, module efficiency 21.72%, much higher yields, outstanding temperature coefficient, much better high temperature generation capability.



EXCELLENT ANTI-PID PERFORMANCE

All products have excellent anti-PID performance to ensure module's stable power output.



SUPPORT 1500V SYSTEM

Increase the number of system modules in series, reduce overall cost of terminal power plant.



STRONG MECHANICAL LOAD CAPACITY

Withstand snow pressure up to 5400Pa on the front face and wind pressure up to 2400Pa on the rear face.

IEC61215/IEC61730

IEC 62804: Anti-PID Test

IEC 61701: Salt Spray Test

IEC 62716: Ammonia Corrosion Test

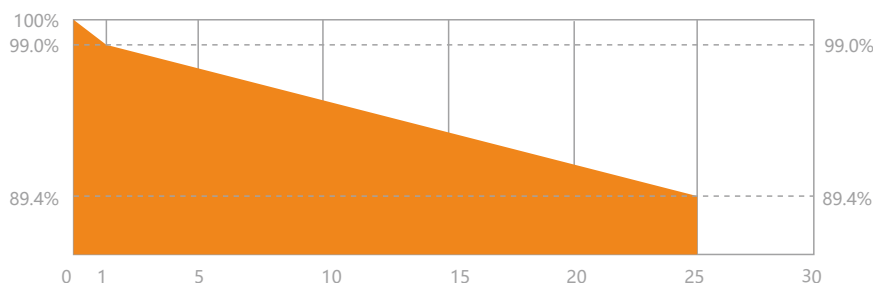
IEC 60068-2-68 : Dust and Sand Test

12 YEARS

Product Warranty

25 YEARS

Power Output Warranty



Solargiga Energy

Founded in 2000, Solargiga Energy Holdings Limited ('Solargiga Energy', HKEX:00757.HK), is a renewable energy company which combines the business of the whole mono-crystalline industrial chain covering R&D manufacturing, photovoltaic application and global marketing. It's committed to provide PV products, technical support and integrated system solution for global customers.

MBB MONO-CRYSTALLINE CONVENTIONAL HALF-CUT MODULE JMPV-X6/60-460~470(R)

| MODEL NUMBER | JMPV-X6/60-460~470(R) | | |
|------------------------------------|-----------------------|-------|-------|
| ELECTRICAL PARAMETERS (STC) | | | |
| Max Power (Pmax/W) | 460 | 465 | 470 |
| Max Power Voltage(Vmp/V) | 35.69 | 35.88 | 36.08 |
| Max Power Current (Imp/A) | 12.89 | 12.96 | 13.03 |
| Open Circuit Voltage(Voc/V) | 42.68 | 42.88 | 43.12 |
| Short Circuit Current (Isc/A) | 13.73 | 13.81 | 13.88 |
| Module Efficiency (%) | 21.26 | 21.49 | 21.72 |

STC(Standard Test Condition): AM1.5, Irradiance 1000W/m, Cell Temperature 25°C

| | | | |
|-------------------------------------|--------|--------|--------|
| ELECTRICAL PARAMETERS (NMOT) | | | |
| Max Power (Pmax/W) | 345.01 | 348.77 | 352.44 |
| Max Power Voltage(Vmp/V) | 33.27 | 33.44 | 33.63 |
| Max Power Current (Imp/A) | 10.37 | 10.43 | 10.48 |
| Open Circuit Voltage(Voc/V) | 40.45 | 40.64 | 40.87 |
| Short Circuit Current (Isc/A) | 11.13 | 11.20 | 11.25 |

NMOT(Nominal Module Operating Temperature): Irradiance 800W/m Ambient Temperature 20°C, Wind Speed 1m/s

| | |
|------------------------------------|--------------|
| TEMPERATURE CHARACTERISTICS | |
| Cell Operating Temperature | 42.5±2°C |
| Temperature Coefficient of Isc | 0.046%/ °C |
| Temperature Coefficient of Voc | - 0.259%/ °C |
| Temperature Coefficient of Pmax | - 0.300%/ °C |

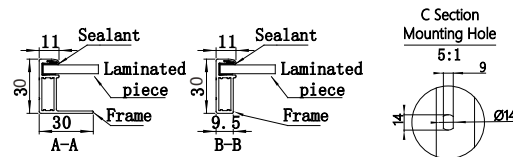
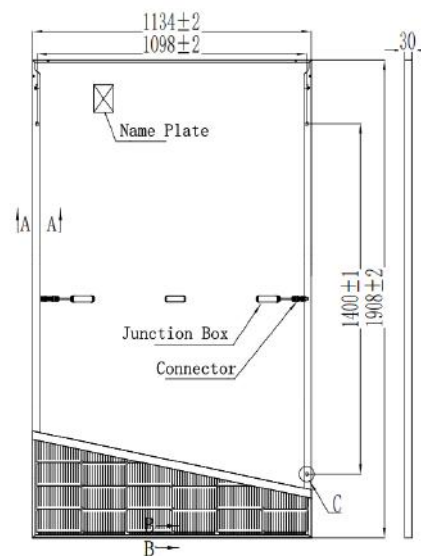
| | |
|------------------------------|--|
| MECHANICAL PARAMETERS | |
| Cell Type | N Type/MBB/Monocrystalline/Half-Cell |
| Number of Cells | 120 (6×10×2) |
| Weight | 24±1.0kg |
| Dimension | 1908×1134×30mm |
| Glass | 3.2mm Tempered Coated Glass |
| Encapsulating Material | POE |
| Backsheet | Fluorinated backsheet /Fluorine-free backsheet (Black) |
| Frame | Anodized Aluminum (Black) |
| Junction Box | Protection Degree IP68 |
| Cable | 4.0 mm ² /+350,-250mm or Customized Length |

| | |
|-----------------------------------|-------------|
| OPERATING CONDITIONS | |
| Max System Voltage | 1500V |
| Operating Temperature | -40°C~+85°C |
| Max Series Fuse Rating | 25A |
| Front Face Static Load (snow etc) | 5400Pa |
| Rear Face Static Load (wind etc) | 2400Pa |

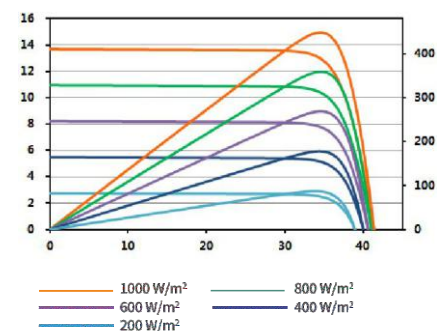
Installation should strictly obey the installation Manual of Solargiga Energy.

| | |
|----------------------------|--------------|
| PACKING INFORMATION | |
| 36pcs/pallet | 864pcs/40'HQ |

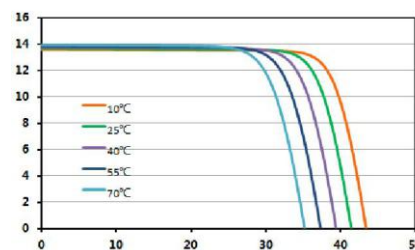
*Power Test Uncertainty +/-3%



Current (A) Power-Voltage&Current-Voltage Curve (W)



Current (A) Current-Voltage Curve



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Note: Electrical parameters are only used for comparison between different types of modules. Due to product innovation, Solargiga Energy reserves the right to adjust the information in this datasheet at any without prior notice. The technical data in this datasheet may be slightly deviated. Customer shall obtain the latest version of the datasheet when signing contract and making it an integral part of the binding contract signed by both parties.

