

Solargiga Energy

MONO-CRYSTALLINE CONVENTIONAL HALF-CUT MODULE

JMPV-X1/54-400~410(R)

| | | |
|---------------|--------------------|-----------------|
| Maximum Power | Maximum Efficiency | Power Tolerance |
| 410W | 21.00% | 0~+5W |



CELL TYPE
P Type/M10/PERC/10BB/Half-Cell



HIGH EFFICIENCY, HIGH GENERATION
Based on 182mm wafer, more uniform current collection capability, Half-Cell design reduces internal current and internal loss and improves output of module power.



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.

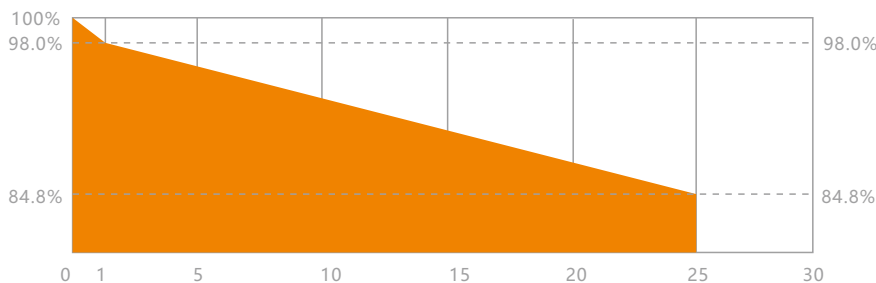


STRONG MECHANICAL LOAD CAPACITY
Withstand snow pressure up to 5400Pa on the front face and wind pressure up to 2400Pa on the rear face.

IEC 61215/ IEC 61730
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.

MONO-CRYSTALLINE CONVENTIONAL HALF-CUT MODULE

JMPV-X1/54-400~410(R)

| MODEL NUMBER | JMPV-X1/54-400~410(R) | | |
|--------------|-----------------------|--|--|
|--------------|-----------------------|--|--|

| ELECTRICAL PARAMETERS (STC) | | | |
|-------------------------------|-------|-------|-------|
| Max Power (Pmax/W) | 400 | 405 | 410 |
| Max Power Voltage(Vmp/V) | 30.92 | 31.11 | 31.30 |
| Max Power Current (Imp/A) | 12.94 | 13.02 | 13.10 |
| Open Circuit Voltage(Voc/V) | 37.29 | 37.55 | 37.79 |
| Short Circuit Current (Isc/A) | 13.66 | 13.73 | 13.81 |
| Module Efficiency (%) | 20.48 | 20.74 | 21.00 |

STC(Standard Test Condition): AM1.5, Irradiance 1000W/m² Cell Temperature 25°C

| ELECTRICAL PARAMETERS (NMOT) | | | |
|-------------------------------|--------|--------|--------|
| Max Power (Pmax/W) | 300.01 | 303.63 | 307.55 |
| Max Power Voltage(Vmp/V) | 28.82 | 29.00 | 29.18 |
| Max Power Current (Imp/A) | 10.41 | 10.47 | 10.54 |
| Open Circuit Voltage(Voc/V) | 35.34 | 35.59 | 35.81 |
| Short Circuit Current (Isc/A) | 11.08 | 11.13 | 11.20 |

NMOT(Nominal Module Operating Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

| TEMPERATURE CHARACTERISTICS | |
|---------------------------------|--------------|
| Cell Operating Temperature | 42.5±2°C |
| Temperature Coefficient of Isc | 0.054%/ °C |
| Temperature Coefficient of Voc | - 0.262%/ °C |
| Temperature Coefficient of Pmax | - 0.341%/ °C |

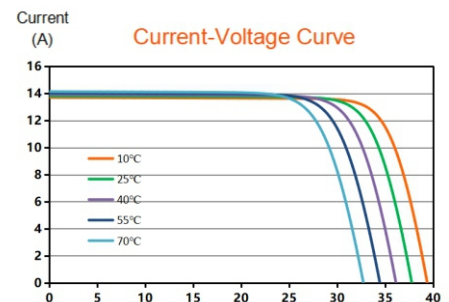
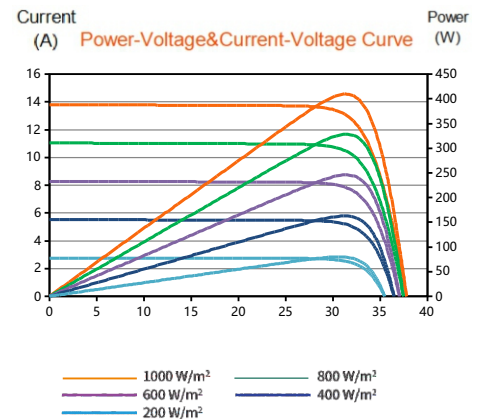
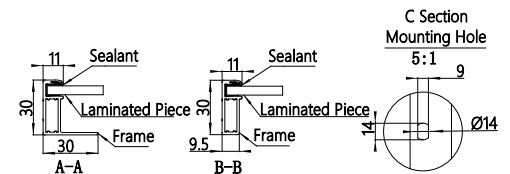
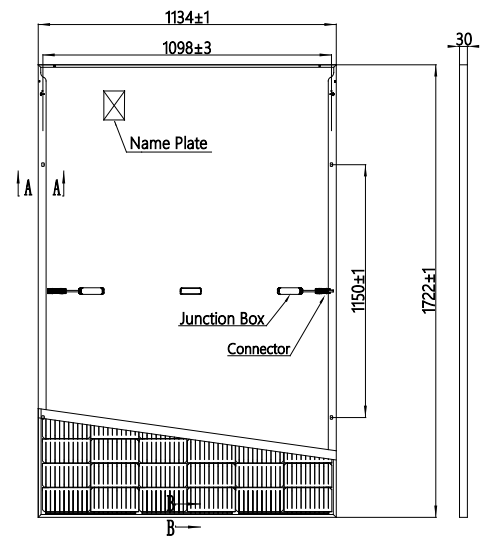
| MECHANICAL PARAMETERS | |
|------------------------|---|
| Cell Type | P Type/M10/PERC/Bifacial/10BB/Half-Cell 182×91mm |
| Number of Cells | 108 (6×9×2) |
| Weight | 20.7±1.0kg |
| Dimension | 1722×1134×30mm |
| Glass | 3.2mm Tempered Coated Glass |
| Encapsulating Material | EVA |
| Backsheet | Fluorinated Backsheet/Fluorine-free Backsheet (Black) |
| Frame | Anodized Aluminum 6063-T5/6005-T6 (Black) |
| Junction Box | Protection IP68 |
| Cable | 4.0 mm ² +/-300mm 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 | 936pcs/40'HQ |

*Power Test Uncertainty +/-3%



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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 time 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.

