

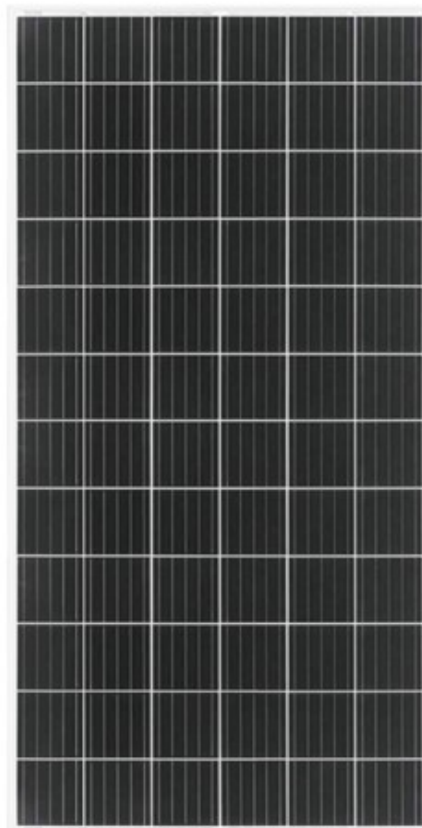
SUN72M-F-35F

380W/385W/390W/
395W

MONO CRYSTALLINE MODULE

IEC61215 / IEC61730 / IEC61701 /
IEC62716 / IEC62804

Exquisite
Workmanship
Excellent Quality.



IP68 junction box, connector

IP68 junction box and connector have a high degree of waterproof, effectively resist the harsh environment



15A current

The junction box carries a current of 15A, ensuring high current flow through the modules



Super strong frame

Glue-spilled tank has a double-layer waterproof, cross-section with hook-shaped aluminum frame, enhanced by 10% of the mechanical load strength



Current division

The module refines the current division, thus effectively reducing the loss of up to 2% due to mismatch and increasing the power output of the system



Salt spray, ammonia and PID test

Excellent salt spray resistance, anti-ammonia and anti PID, TUV, SUD certification approved



Strong mechanical load capacity

Passed the 2400pa wind load and 5400pa snow load test, ensuring that the module has a stable mechanical life



Color classification

Modules are packaged according to color classification, to achieve consistent appearance after installation

LINEAR PERFORMANCE WARRANTY

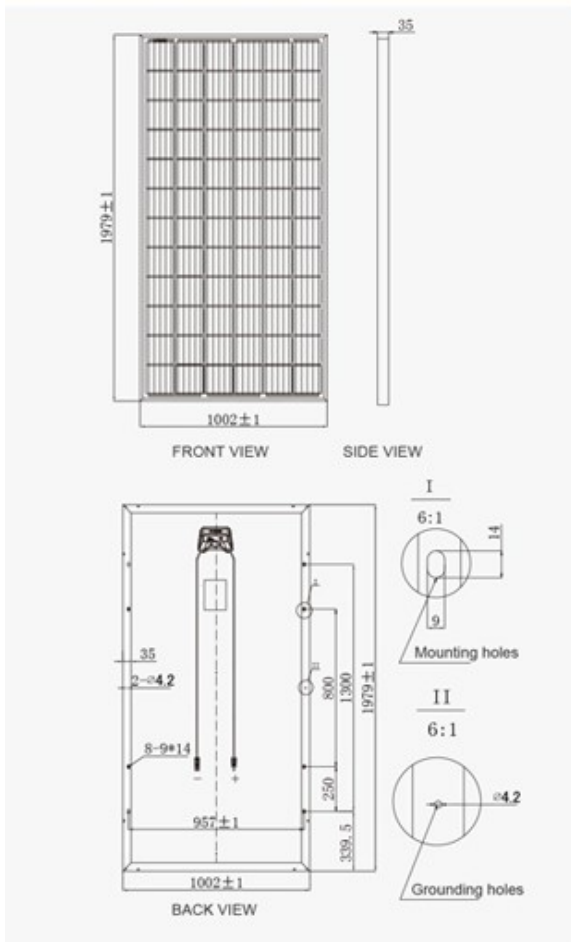
- 12 Years Manufacturing Warranty
- 12 Years 90% Power Output
- 25 Years 80% Power Output



QUALIFICATIONS AND CERTIFICATES



MECHANICAL DRAWINGS



MECHANICAL SPECIFICATION

| | |
|-------------------|--|
| Cell Type | Mono Crystalline 158.75x158.75mm |
| Number Of Cells | 72 (6x12) |
| Dimensions(AxBxC) | 1979x1002x35mm |
| Weights | 23.0kg |
| Front Glass | 3.2mm Tempered Low Iron Glass |
| Frame | Clear Anodized Aluminum Alloy |
| Junction Box | IP68,with Bypass Diodes |
| Connector | Mc4 Compatible |
| Output Cables | Tuv, \pm length 900mm,4.0mm ² |

ELECTRICAL CHARACTERISTICS

| Maximum Power At STC(Pmax) | 380W | 385W | 390W | 395W |
|-----------------------------|--------|--------|--------|--------|
| Short Circuit Current(Isc) | 9.97A | 10.08A | 10.14A | 10.24A |
| Open Circuit Voltage(Voc) | 48.7V | 48.9V | 49.2V | 49.4V |
| Maximum Power Current(Imp) | 9.52A | 9.60A | 9.68A | 9.78A |
| Maximum Power Voltage(Vmpp) | 39.9V | 40.1V | 40.3V | 40.4V |
| Module Efficiency | 19.16% | 19.42% | 19.67% | 19.92% |
| Power Tolerance | 0~+3% | 0~+3% | 0~+3% | 0~+3% |

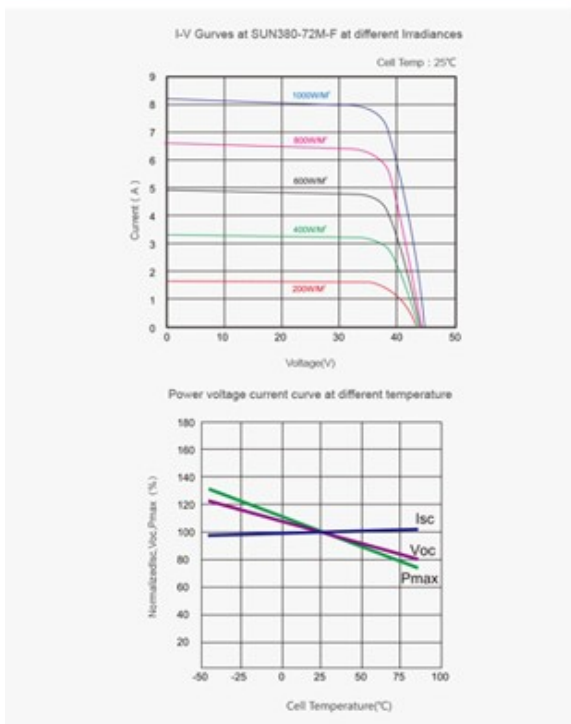
STC: 1000W/m² irradiance, 25°C cell temperature, AM1.5.

NOCT

| Maximum Power At STC(Pmax) | 283.3 | 287.0 | 290.7 | 294.4 |
|-----------------------------|-------|-------|-------|-------|
| Short Circuit Current(Isc) | 8.07 | 8.16 | 8.21 | 8.29 |
| Open Circuit Voltage(Voc) | 45.0 | 45.2 | 45.5 | 45.7 |
| Maximum Power Current(Imp) | 7.65 | 7.74 | 7.78 | 7.86 |
| Maximum Power Voltage(Vmpp) | 37.0 | 37.1 | 37.4 | 37.5 |

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, wind speed 1m/s.

I-V CURVES



SYSTEM INTEGRATION PARAMETERS

| | |
|-------------------------------------|-----------|
| Maximum System Voltage | VDC 1000V |
| Maximum Series Fuse | 15A |
| Increased Snowload Acc.to Iec 61215 | 5400Pa |
| Operating Temperature | -40~+85°C |
| Number Of Bypass Diodes | 3 |

TEMPERATURE CHARACTERISTICS

| | |
|---|----------------|
| Norminal Operating Cell Temperature(Noct) | 45°C \pm 2°C |
| Temperature Coefficient Of Pmax | -0.40%/°C |
| Temperature Coefficient Of Voc | -0.29%/°C |
| Temperature Coefficient Of Isc | 0.05%/°C |

PACKING CONFIGURATION

| | |
|-----------------------|--------|
| Container | 40' HQ |
| Pieces Per Pallet | 30 |
| Pallets Per Container | 22 |
| Pieces Per Container | 660 |