

HT72-18X

High Efficiency Low LID with Half-cut Technology

Big Size: Cell 182*91 Monocrystalline

NEW

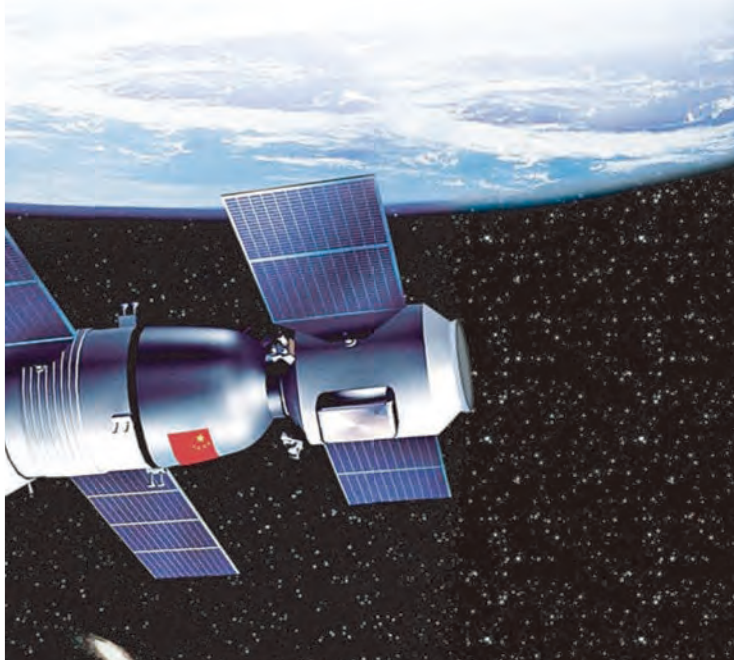
530W / 535W

540W / 545W / 550W



- Module Efficiency: 21.2%
- No. of Cells: 144(6 × 24)
- Weight: 27.2kg
- Dimensions: 2285mm×1133mm×35mm

MULTIWAY+



Half cut cell technology can reduce the internal power loss and improve component overall power. Excellent heat dissipation avoids hot spot production.



10BB The optimized number and width of main gate lines, Maximize the light receiving area of components and Reduce component power consumption

12 Ys

Products Warranty

25 Ys

Warranty on power output



Designed for high voltage systems of up to 1500 VDC, increasing the string length of solar systems and saving on BOS costs



All the modules are sorted and packaged by amperage, reducing mismatch losses and maximizing system output.

EL

Microcrack resistant high performance backsheet structure enhance reliability, triple EL tested of high quality control.

5W

Positive tolerance 0/+5W guaranteed



Entire module certified to with stand extreme wind (2400 Pa) and snow loads (5400 Pa)

PID

PID Resistant

Comprehensive and first-rate certification system

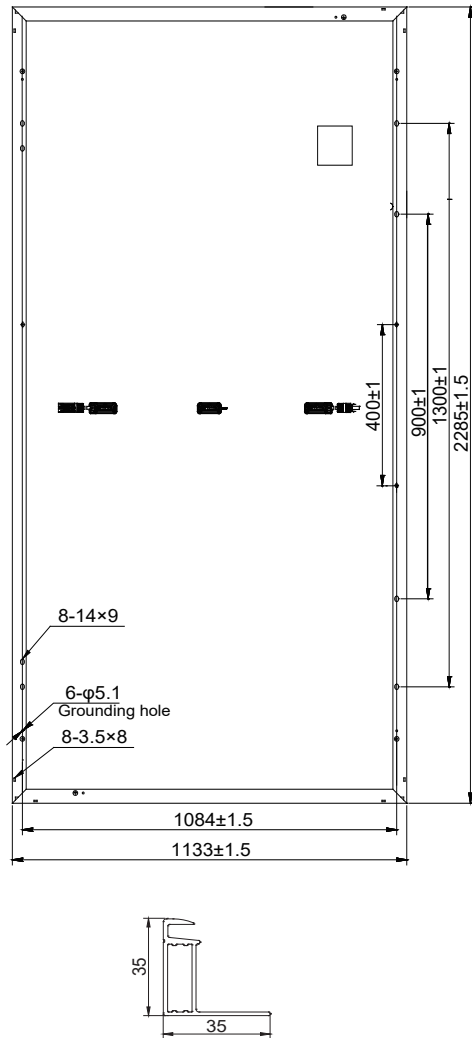
IEC61215: 2016.IEC61730: 2016 Latest Standard

and UL 61730 Latest Standard, ISO9001, ISO14001 and ISO45001, meeting the highest international standards Strict quality control



530W/535W/540W/545W/550W

Engineering Drawing



Electrical Characteristics

| Module | HT72-18X | | | | |
|---------------------------------|------------------|--------|--------|--------|--------|
| Maximum Power at STC(Pmax) | 530W | 535W | 540W | 545W | 550W |
| Open-Circuit Voltage(Voc) | 49.20V | 49.35V | 49.50V | 49.65V | 49.80V |
| Short-Circuit Current(Isc) | 13.76A | 13.83A | 13.90A | 13.95A | 14.00A |
| Optimum Operating Voltage (Vmp) | 41.35V | 41.50V | 41.65V | 41.80V | 41.95V |
| Optimum Operating Current(Imp) | 12.83A | 12.90A | 12.97A | 13.05A | 13.12A |
| Module Efficiency | 20.5% | 20.7% | 20.9% | 21.1% | 21.2% |
| Power Tolerance | 0 ~ +5W | | | | |
| Maximum System Voltage | 1500V DC(UL/IEC) | | | | |
| Maximum Series Fuse Rating | 25A | | | | |
| Operating Temperature | -40 °C to + 85°C | | | | |

*STC:Irradiance 1000W/m², module temperature 25, AM=1.5
Optional black frame or white frame module according to customer requirements

NMOT

| Module | HT72-18X | | | | |
|-------------------------------|----------|--------|--------|--------|--------|
| Maximum Power | 396W | 400W | 404W | 408W | 412W |
| Open Circuit Voltage (Voc) | 45.25V | 45.40V | 45.55V | 45.70V | 45.85V |
| Short Circuit Current (Isc) | 11.22A | 11.29A | 11.36A | 11.43A | 11.50A |
| Maximum Power Voltage (Vmp) | 37.49V | 37.64V | 37.79V | 37.94V | 38.09V |
| Maximum Circuit Current (Imp) | 10.56A | 10.63A | 10.69A | 10.75A | 10.81A |
| NMOT | 45°C±2°C | | | | |

*NMOT:Irradiance 800W/m², ambient temperature 20 °C, wind speed 1 m/s

Mechanical Characteristics

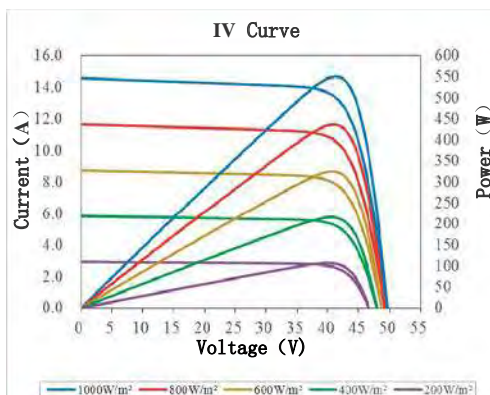
| | |
|-------------------------|--|
| Solar Cells | Monocrystalline 182 × 91 mm |
| No.of Cells | 144 (6 × 24) |
| Dimensions | 2285mm×1133mm×35mm |
| Weight | 27.2kg |
| Front Glass | High transmission tempered glass |
| Frame | Anodized aluminium alloy |
| Junction Box | IP68 |
| Cable | 4mm ² (UL/IEC) Length: (+) 400mm (-) 200mm/length can be customized |
| Connectors | MC ₄ / MC ₄ Compatible |
| Packaging Configuration | 31pcs / box, 620pcs / 40'HQ Container |

Temperature Characteristics

| | | |
|---------------------------------|---------|----------|
| Temperature Coefficient of Pmax | γ (Pm) | -0.39%/C |
| Temperature Coefficient of Voc | β (Voc) | -0.29%/C |
| Temperature Coefficient of Isc | α (Isc) | 0.049%/C |

I-V Curves

Current-Voltage & Power-Voltage Curve



Warranty

12-year product warranty

25-year warranty on power output

Specific information is referred to the product quality guarantee

Information Box

