

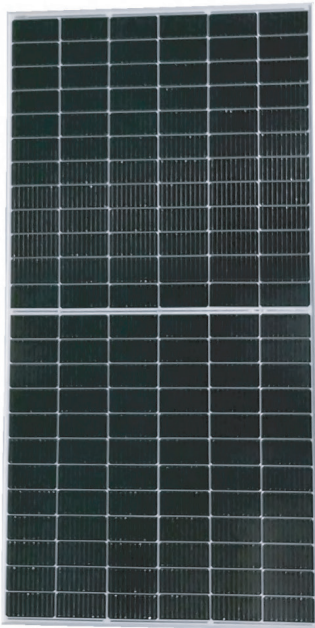
HT72-18X Transparent

High Efficiency Low LID Bifacial PERC with Half-cut Technology

NEW

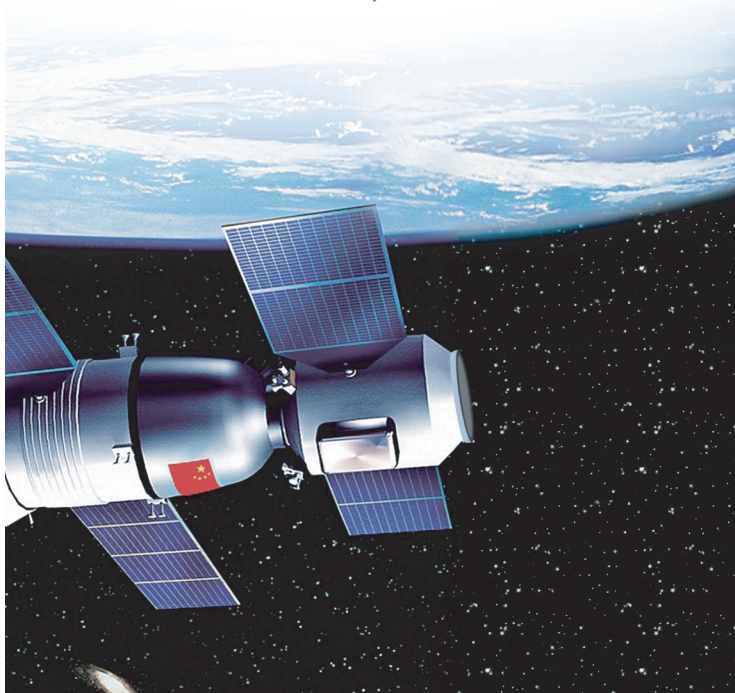
Big Size: Cell 182*91

525W / 530W
535W / 540W / 545W



Monocrystalline

- Module Efficiency: 21.1%
- No. of Cells: 144 (6 × 24)
- Weight: 28.5kg
- Dimensions: 2285mm×1133mm×35mm



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



9BB The optimized number and width of main gate lines, Maximize the light receiving area of components and Reduce component power consumption

12Ys

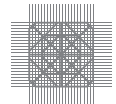
Products Warranty



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

30Ys

Warranty on power output



Transparent Backsheet structure which enhance the Module power increases 5-25% generally (per different reflective condition) lower LCOE and higher IRR

EL

Microcrack resistant Double glass structure enhance reliability, triple EL tested of high quality control.



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

5W

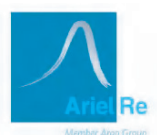
Positive tolerance 0/+5w guaranteed

PID

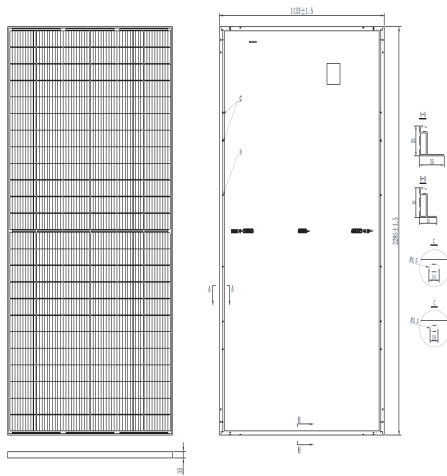
PID Resistant

Comprehensive and first-rate certification system

IEC61215: 2016, IEC61730: 2016 Latest Standard and UL 61730 Latest Standard, ISO9001, ISO14001 and OHSAS18001, meeting the highest international standards
Strict quality control



Engineering Drawing



Electrical Characteristics

| Module | HT72-18X | | | | |
|---------------------------------|-------------------|--------|--------|--------|--------|
| Maximum Power at STC(Pmax) | 525W | 530W | 535W | 540W | 545W |
| Open-Circuit Voltage(Voc) | 49.1V | 49.2V | 49.3V | 49.4V | 49.5V |
| Short-Circuit Current(Isc) | 14.06A | 14.16A | 14.26A | 14.36A | 14.46A |
| Optimum Operating Voltage (Vmp) | 40.7V | 40.8V | 40.9V | 41.0V | 41.1V |
| Optimum Operating Current(Imp) | 12.91A | 13.00A | 13.09A | 13.18A | 13.27A |
| Module Efficiency | 20.3% | 20.5% | 20.7% | 20.9% | 21.1% |
| Power Tolerance | 0 ~ +5W | | | | |
| Maximum System Voltage | 1500V DC(UL/IEC) | | | | |
| Maximum Series Fuse Rating | 20A | | | | |
| 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

BIFACIAL REAR SIDE POWER GAIN

Electrical characteristics with different rear side power gain (reference to 530W front)

| Module | | HT72-18X-530 | | | |
|---------------|-----------|--------------|-------|-------|-------|
| Maximum Power | Pmax Gain | Voc/V | Isc/A | Vmp/V | Imp/A |
| 557W | 5% | 49.20 | 14.87 | 40.8 | 13.65 |
| 583W | 10% | 49.20 | 15.58 | 40.8 | 14.30 |
| 610W | 15% | 49.20 | 16.28 | 40.8 | 14.95 |
| 636W | 20% | 49.20 | 16.99 | 40.8 | 15.60 |
| 663W | 25% | 49.20 | 17.70 | 40.8 | 16.25 |

*bifacial gain: the additional gain from the rear side compared to the power of the front side at the standard test condition. It depends on mounting (structure, height, tilt angle etc.) and albedo of the ground.

NOCT

| Module | HT72-18X | | | | |
|-------------------------------|------------|--------|--------|--------|--------|
| Maximum Power | 389W | 392W | 396W | 400W | 404W |
| Open Circuit Voltage (Voc) | 46.4V | 46.5V | 46.6V | 46.7V | 46.8V |
| Short Circuit Current (Isc) | 11.35A | 11.43A | 11.51A | 11.59A | 11.68A |
| Maximum Power Voltage (Vmp) | 38.4V | 38.5V | 38.6V | 38.7V | 38.8V |
| Maximum Circuit Current (Imp) | 10.12A | 10.19A | 10.26A | 10.34A | 10.41A |
| NOCT | 45°C ± 2°C | | | | |

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

Mechanical Characteristics

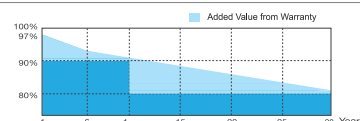
| | |
|-------------------------|--|
| Solar Cells | Monocrystalline 182 × 91 mm |
| No. of Cells | 144 (6 × 24) |
| Dimensions | 2285mm × 1133mm × 35mm |
| Weight | 28.5kg |
| Front Glass | High transmission tempered glass |
| Frame | Anodized aluminium alloy |
| Junction Box | IP68 |
| Cable | 4mm ² (UL/IEC) Length: 1400mm |
| Connectors | MC4 / MC4 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 |

Warranty

12-year product warranty
30-year warranty on power output
Specific information is referred to the product quality guarantee



I-V Curves

Current-Voltage & Power-Voltage Curve

