

HT72-18X

NEW

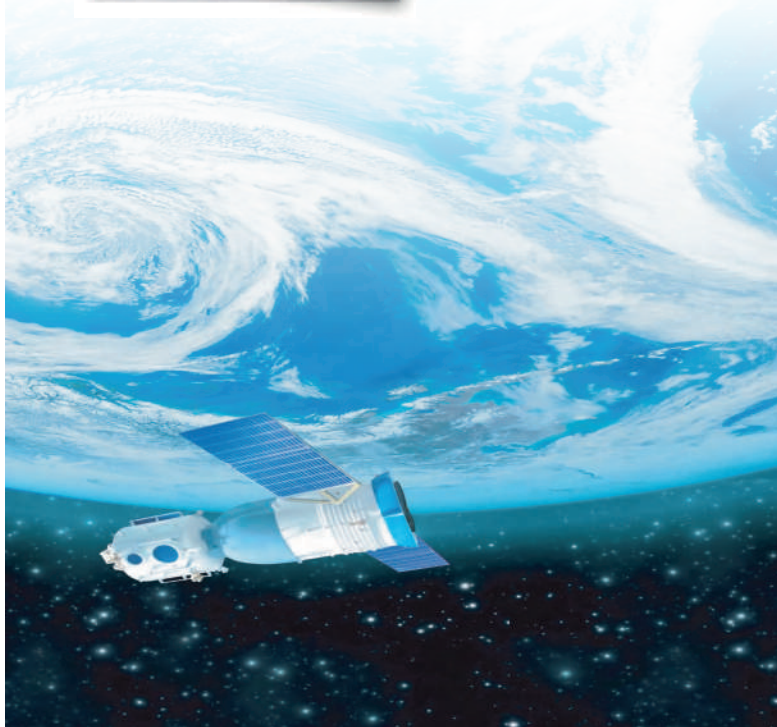
POWER OUTPUT

540W / 545W
550W / 555W / 560W



- Module Efficiency: 21.7%
- No. of Cells: 144 (6 × 24)
- Weight: 28.5kg
- Dimensions: 2279mm×1134mm×35mm

monocrystalline
182 × 91 mm



MULTIWAY

HIGHWAY Half-Cut

Shanghai Aerospace Automobile
Electromechanical Co., Ltd.
website: www.ht-saae.com

Factory :
Lianyungang ShenZhou New Energy Co., Ltd.
Turkey HT Solar Energy Joint Stock Company



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



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

25Ys
Products
Warranty



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

25Ys
Warranty on
power output



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

EL

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

5W

Positive tolerance 0/+5w guaranteed



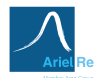
Entire module certified to with stand extreme wind (2400 Pa) and snow loads (5400 Pa)

PID

PID Resistant

Comprehensive and first-rate certification system

IEC61215: 2016, IEC61730: 2016 Latest Standard
ISO9001, ISO14001 and ISO45001,
meeting the highest international standards
Strict quality control



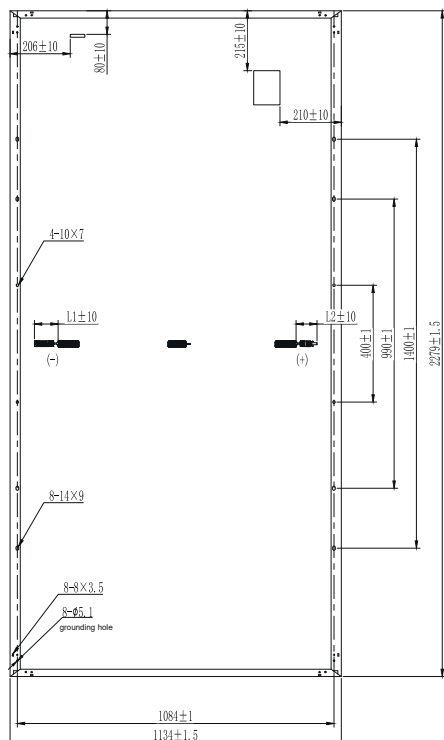
CEC Listed



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540W/545W/550W/555W/560W

Engineering Drawing



Electrical Characteristics

| Module | HT72-18X | | | | |
|---------------------------------|------------------|--------|--------|--------|--------|
| Maximum Power at STC(Pmax) | 540W | 545W | 550W | 555W | 560W |
| Open-Circuit Voltage(Voc) | 49.50V | 49.65V | 49.80V | 49.95V | 50.10V |
| Short-Circuit Current(Isc) | 13.90A | 13.95A | 14.00A | 14.07A | 14.14A |
| Optimum Operating Voltage (Vmp) | 41.65V | 41.80V | 41.95V | 42.10V | 42.25V |
| Optimum Operating Current(Imp) | 12.97A | 13.05A | 13.12A | 13.20A | 13.27A |
| Module Efficiency | 20.9% | 21.1% | 21.3% | 21.5% | 21.7% |
| Power Tolerance | 0 ~ +5W | | | | |
| Maximum System Voltage | 1500V DC(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 | 402W | 405W | 409W | 413W | 417W |
| Open Circuit Voltage (Voc) | 46.92V | 47.06V | 47.20V | 47.34V | 47.48V |
| Short Circuit Current (Isc) | 11.22A | 11.26A | 11.30A | 11.36A | 11.41A |
| Maximum Power Voltage (Vmp) | 39.48V | 39.62V | 39.76V | 39.90V | 40.04V |
| Maximum Circuit Current (Imp) | 10.18A | 10.22A | 10.29A | 10.35A | 10.41A |
| NMOT | 45°C±2°C | | | | |

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

Mechanical Characteristics

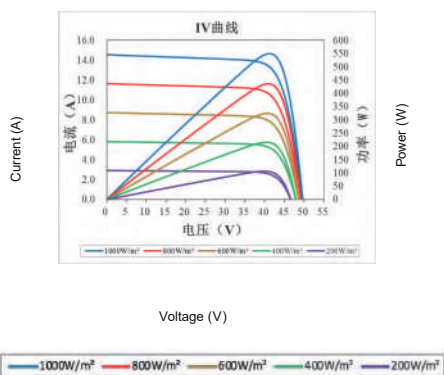
| | |
|-------------------------|---|
| Solar Cells | monocrystalline 182 × 91mm |
| No. of Cells | 144(6 × 24) |
| Dimensions | 2279mm×1134mm×35mm |
| Weight | 28.5kg |
| Front Glass | High transmission tempered glass |
| Frame | Anodized aluminium alloy |
| Junction Box | IP68 |
| Cable | 4mm ² (IEC) Length:(+)200mm,(-)300mm |
| Connectors | MC4 / MC4 Compatible |
| Packaging Configuration | 31pcs / box, 620pcs / 40'HQ Container |

Temperature Characteristics

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

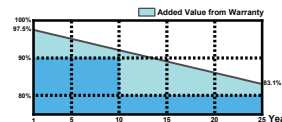
I-V Curves

Current-Voltage & Power-Voltage Curve



Warranty

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



Information Box

DS18X-002-A2