

# HT72-18X

Shanghai Aerospace Automobile Electromechanical Co., Ltd.

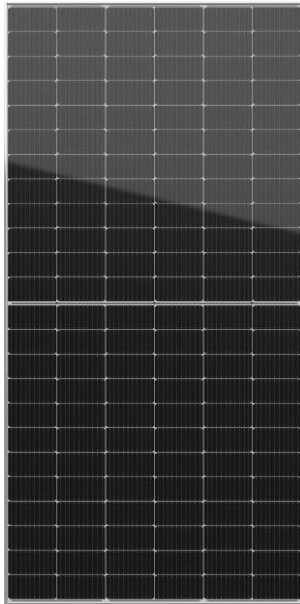
Website : [www.ht-saae.com.au](http://www.ht-saae.com.au)

Address: 222 Caoxi Rd, the 8th Floor of Spaceflight

Made in China

**NEW** Large wafer

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



- Module Efficiency: 21.7%
- No. of Cells 144(6×24)
- Weight 28.5kg
- Dimensions 2278×1134×35mm
- Monocrystalline 182×91mm

MULTIWAY+



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.



1500V

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

**25Ys**

Products warranty

**25Ys**

Warranty on power output



2%

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

**EL**

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

**5W**

Positive tolerance 0/+5w guaranteed



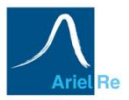
Entire module certified to with stand extreme wind(2400 Pa) and snow loads (5400 Pa)

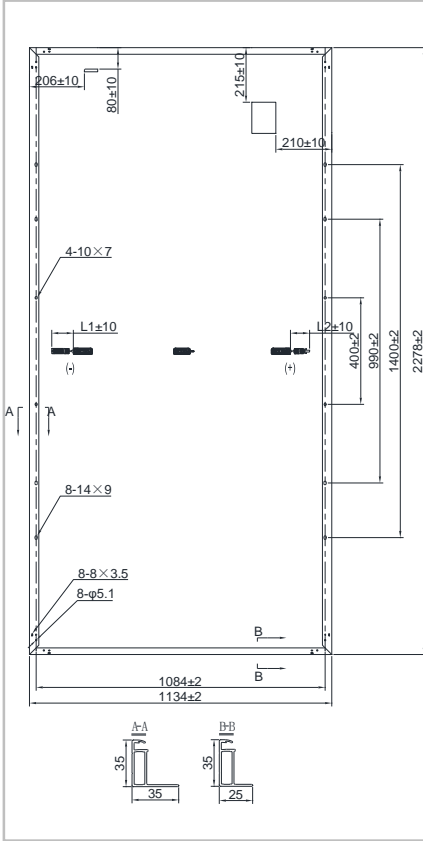
Anti **PID**

PID resistant **Optional**

**Comprehensive and first-rate certification system**

IEC 61215:2016, IEC 61730:2016 Latest Standard ISO 9001, ISO 14001 and ISO 45001, meeting the highest international standards Strict quality control





### Electrical Characteristics (STC)

Module Type	HT72-18X				
Maximum Power(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
Maximum Power Voltage(Vmp)	41.65V	41.80V	41.95V	42.10V	42.25V
Maximum Power Current(Impp)	12.97A	13.05A	13.12A	13.20A	13.27A
Module Efficiency	20.9%	21.1%	21.3%	21.5%	21.7%
Tolerance	Pmax ±3% Voc ±5% Isc ±5%				
Maximum System Voltage	1500V DC(IEC)				
Maximum Series Fuse Rating	25A				
Operating Temperature	-40°C to +85°C				

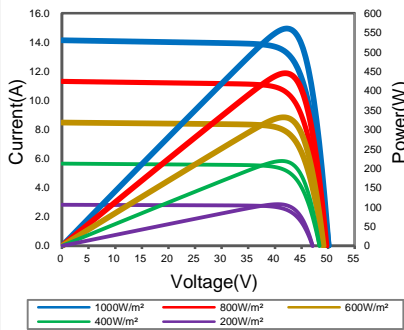
\* STC: AM 1.5, Irradiance 1000W/m<sup>2</sup>, module temperature 25°C

### Electrical Characteristics (NMOT)

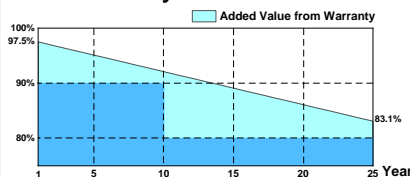
Module Type	HT72-18X				
Maximum Power(Pmax)	402W	405W	409W	413W	417W
Open Circuit Voltage(Voc)	46.92V	47.06V	47.20V	47.34V	47.48V
Short Circuit Current(Isc)	11.22A	11.26A	11.30A	11.36A	11.41A
Maximum Power Voltage(Vmp)	39.48V	39.62V	39.76V	39.90V	40.04V
Maximum Power Current(Impp)	10.18A	10.22A	10.29A	10.35A	10.41A

\* NMOT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s

### • IV Curves



### • Warranty



25-year product warranty\*

25-year warranty on power output\*

\* Specific information is referred to the product quality guarantee

Temperature Coefficient of Pmax	$\gamma$ (Pm)	-0.33%/°C
Temperature Coefficient of Voc	$\beta$ (Voc)	-0.26%/°C
Temperature Coefficient of Isc	$\alpha$ (Isc)	0.042%/°C

Solar Cells	Monocrystalline 182× 91mm
No. of Cells	144 (6×24)
Dimensions	2278mm×1134mm×35mm
Weight	28.5kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminum alloy
Junction Box / Connectors	IP68 / PV-HT005-01(HT-saae)
Cable	4mm <sup>2</sup> (IEC) length: (+) 200mm, (-) 300mm
Fire Rating	Class C
Packaging Configuration	31 pcs/box: 620 pcs/ 40' HQ Container

\*The module recycling should be carried out by the professional institutions at the end of module life cycle

\*Copyright@2022V2 Specifications are subject to change without further notification