

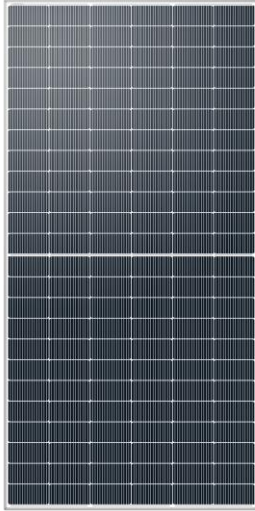
HT72-18X(N)

Single Glass TOPCon PV Module

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

HIGH High power

565W/570W
575W/580W/585W



- Module Efficiency: 22.6%
- No. of Cells 144(6×24)
- Weight 27.0 (±0.5) kg
- Dimensions 2278×1134×30mm
- Monocrystalline 182×91mm

MULTIWAY+



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

TOPCon

The optimized number and width of main gate lines, Maximize the light receiving area of modules and Reduce module power consumption.



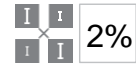
Designed for high voltage systems of up to 1500 VDC, increasing the string length of solar systems and saving on BoS costs

12Ys

Products warranty

25Ys

Warranty on power output



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

EL

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

5W

Positive tolerance 0/+5w guaranteed



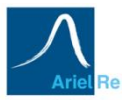
Entire module certified to with stand extreme wind(2400 Pa) and snow loads (5400 Pa)

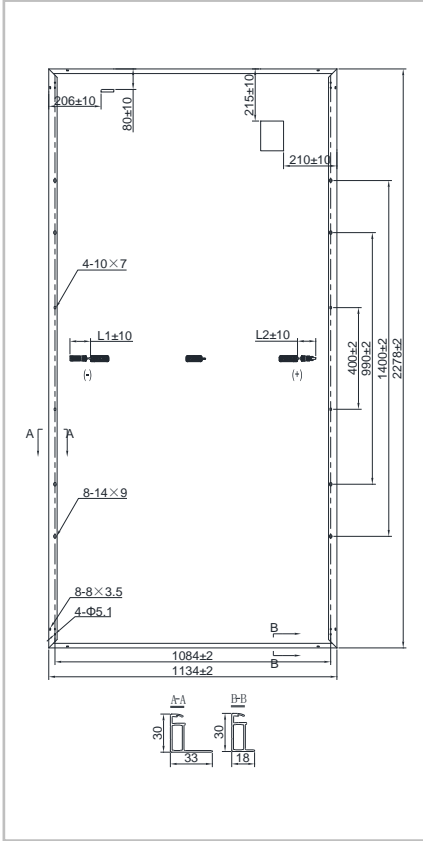
Anti PID

PID resistant

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(N)				
Maximum Power(Pmax)	565W	570W	575W	580W	585W
Open Circuit Voltage(Voc)	50.7V	50.9V	51.1V	51.3V	51.5V
Short Circuit Current(Isc)	14.15A	14.23A	14.31A	14.39A	14.47A
Maximum Power Voltage(Vmp)	42.5V	42.7V	42.9V	43.1V	43.3V
Maximum Power Current(Imp)	13.31A	13.37A	13.41A	13.47A	13.53A
Module Efficiency	21.9%	22.1%	22.3%	22.5%	22.6%
Power Tolerance	0 ~ +5W				
Maximum System Voltage	1500V DC(IEC)				
Maximum Series Fuse Rating	25A				
Operating Temperature	-40°C to +85°C				

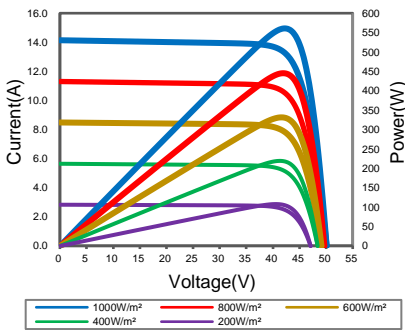
* STC: AM 1.5, Irradiance 1000W/m², module temperature 25°C

Electrical Characteristics (NMOT)

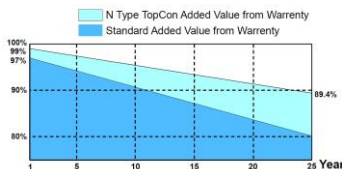
Module Type	HT72-18X(N)				
Maximum Power(Pmax)	430W	433W	437W	441W	445W
Open Circuit Voltage(Voc)	48.7V	48.9V	49.1V	49.2V	49.4V
Short Circuit Current(Isc)	11.40A	11.47A	11.53A	11.60A	11.66A
Maximum Power Voltage(Vmp)	40.8V	41.0V	41.2V	41.4V	41.6V
Maximum Power Current(Imp)	10.54A	10.56A	10.61A	10.65A	10.70A

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

IV Curves



Warranty



12-year product warranty*

25-year warranty on power output*

* Specific information is referred to the product quality guarantee

Nominal Module Operating Temperature(NMOT)	43±2°C
Temperature Coefficient of Pmax	γ (Pm) -0.31%/°C
Temperature Coefficient of Voc	β (Voc) -0.25%/°C
Temperature Coefficient of Isc	α (Isc) 0.046%/°C
Solar Cells	Monocrystalline 182× 91mm
No. of Cells	144 (6×24)
Dimensions	2278mm×1134mm×30mm
Weight	27.0 (±0.5) kg
Glass	High light transmittance coated tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Cable	4mm ² (IEC) length: (+) 200mm, (-) 300mm
Connectors	MC4 / MC4 Compatible
Packaging Configuration	36 pcs/box: 720 pcs/ 40' HQ Container

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

*Copyright@2022V3 Specifications are subject to change without further notification