

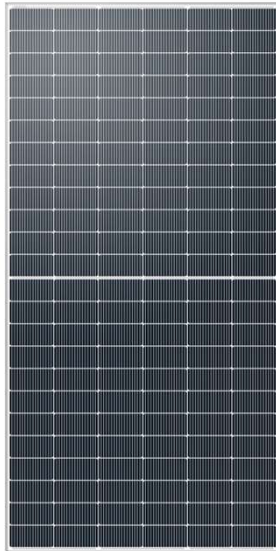
HT72-18X(N)

Single Glass TOPCon PV Module

HIGH High power

575W/580W

585W/590W/595W



- Module Efficiency: 23.0%
- No. of Cells 144(6×24)
- Weight 28.5(±0.5)kg
- Dimensions 2278×1134×35mm
- Monocrystalline 182×91mm

MULTIWAY+



Shanghai Aerospace Automobile Electromechanical Co., Ltd.



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

15Ys

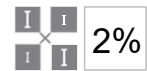
Products warranty

30Ys

Warranty on power output

EL

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



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

0~+3%

Positive tolerance 0~+3% 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



575W/580W/585W/590W/595W

Electrical Characteristics (STC)

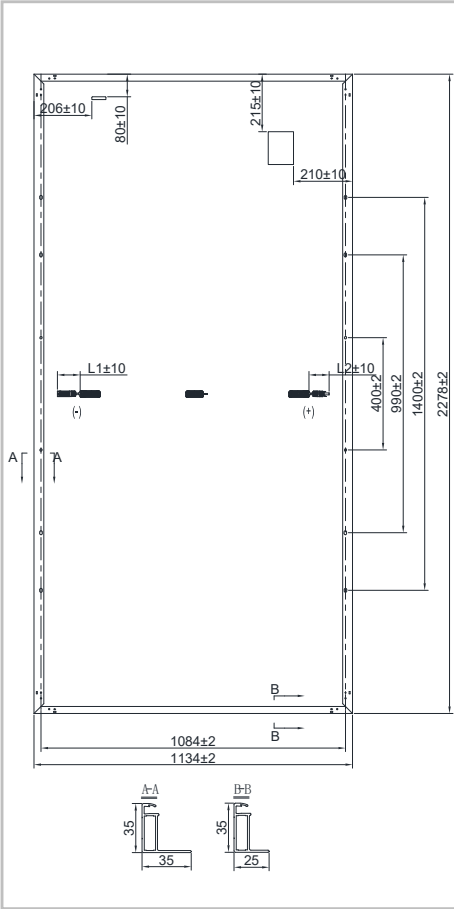
Module Type	HT72-18X(N)				
Maximum Power(Pmax)	575W	580W	585W	590W	595W
Open Circuit Voltage(Voc)	51.1V	51.3V	51.5V	51.7V	51.9V
Short Circuit Current(Isc)	14.31A	14.39A	14.47A	14.55A	14.63A
Maximum Power Voltage(Vmp)	42.9V	43.1V	43.3V	43.4V	43.6V
Maximum Power Current(Imp)	13.41A	13.47A	13.53A	13.60A	13.65A
Module Efficiency	22.3%	22.5%	22.6%	22.8%	23.0%
Power Tolerance	0 ~ +3%				
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

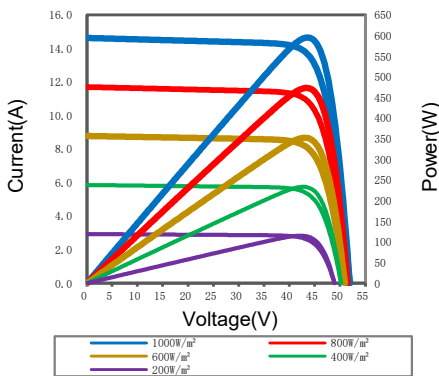
Electrical Characteristics (NMOT)

Module Type	HT72-18X(N)				
Maximum Power(Pmax)	437W	441W	445W	449W	452W
Open Circuit Voltage(Voc)	49.1V	49.2V	49.4V	49.6V	49.8V
Short Circuit Current(Isc)	11.53A	11.60A	11.66A	11.73A	11.79A
Maximum Power Voltage(Vmp)	41.2V	41.4V	41.6V	41.7V	41.9V
Maximum Power Current(Imp)	10.61A	10.65A	10.70A	10.77A	10.79A

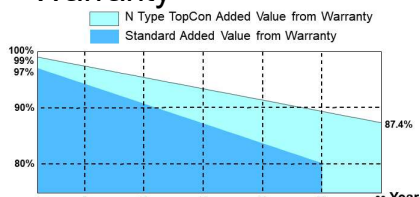
* NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s



IV Curves



Warranty



15-year product warranty*

30-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	2278×1134×35mm
Weight	28.5 (±0.5) kg
Glass	High light transmittance coated tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Cable	4mm ² (IEC) length: (+) 200mm, (-) 300mm or customized
Connectors	MC4 / MC4 Compatible
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@2023V2 Specifications are subject to change without further notification