

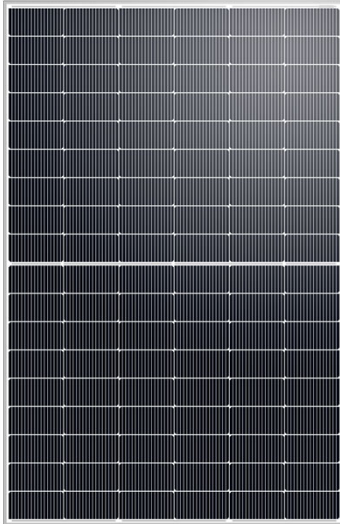
HT54-18X(N)

Single Glass TOPCon PV Module

HIGH High power

HT54-18X(N)

455W/460W/465W/470W/475W



- Module Efficiency: 23.8%
- No. of Cells 108(6×18)
- Weight 21.0 (±0.5) kg
- Dimensions 1762×1134×30mm
- For Australia market

MULTIWAY+



Shanghai Aerospace Automobile Electromechanical Co., Ltd.
 Website: www.ht-saae.com.au
 Address: 222 Caoxi Rd, the 8th Floor of Spaceflight Building, Shanghai P.R. China

Made in China



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

15/30Ys
 Product warranty
 15Yrs for ground mounted
 30Yrs for rooftop

30Ys

Warranty on power output

EL

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



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

TOPCon

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

2%

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

0~+3%

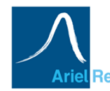
Power sorting tolerance 0~+3% guaranteed

Anti PID

PID resistant (available on request)

Comprehensive and first-rate certification system

IEC 61215:2021, IEC 61730:2023 Latest Standard SA 8000,ISO 9001,ISO 14001 and ISO 45001 meeting the highest international standards Strict quality control



HT54-18X(N)-455W/460W/465W/470W/475W

Electrical Characteristics (STC)

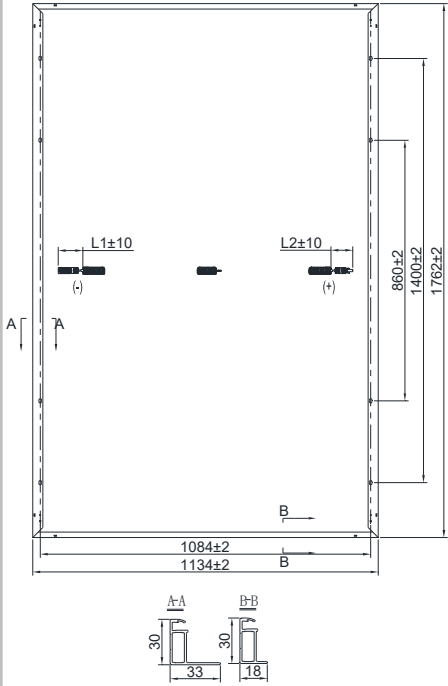
| Module Type | HT54-18X(N) | | | | |
|--------------------------------------|----------------|--------|--------|--------|--------|
| Maximum Power(Pmax) | 455W | 460W | 465W | 470W | 475W |
| Open Circuit Voltage(Voc) | 39.1V | 39.4V | 39.6V | 39.8V | 40.0V |
| Short Circuit Current(Isc) | 14.61A | 14.67A | 14.73A | 14.79A | 14.85A |
| Maximum Power Voltage(Vmp) | 32.7V | 32.9V | 33.1V | 33.3V | 33.5V |
| Maximum Power Current(Imp) | 13.92A | 13.99A | 14.06A | 14.13A | 14.20A |
| Module Efficiency | 22.8% | 23.0% | 23.3% | 23.5% | 23.8% |
| Power/Voc/Isc Measurement Tolerances | ±3%/±5%/±5% | | | | |
| Maximum System Voltage | 1500V DC(IEC) | | | | |
| Maximum Series Fuse Rating | 30A | | | | |
| Operating Temperature | -40°C to +85°C | | | | |

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

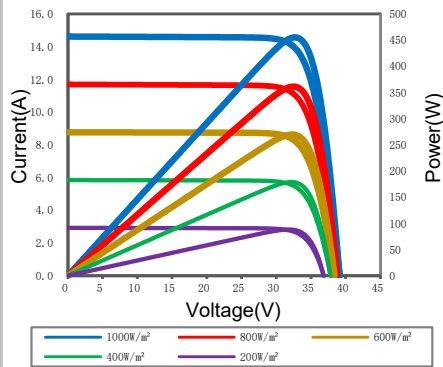
Electrical Characteristics (NMOT)

| Module Type | HT54-18X(N) | | | | |
|----------------------------|-------------|--------|--------|--------|--------|
| Maximum Power(Pmax) | 346W | 350W | 354W | 357W | 361W |
| Open Circuit Voltage(Voc) | 37.5V | 37.8V | 38.0V | 38.2V | 38.4V |
| Short Circuit Current(Isc) | 11.77A | 11.82A | 11.87A | 11.92A | 11.97A |
| Maximum Power Voltage(Vmp) | 31.4V | 31.6V | 31.8V | 32.0V | 32.2V |
| Maximum Power Current(Imp) | 11.02A | 11.08A | 11.13A | 11.16A | 11.21A |

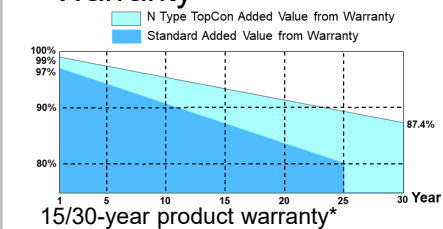
* NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s



IV Curves



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 |
| No. of Cells | 108 (6×18) |
| Dimensions | 1762×1134×30mm |
| Weight | 21.0 (±0.5) kg |
| Glass | High light transmittance coated tempered glass |
| Frame | Anodized aluminum alloy |
| Junction Box/Connectors | IP68/PV-HT005-1 Shanghai Aerospace Automobile Electromechanical Co., Ltd. |
| Cable | 4mm ² (IEC) length: (+) 1200mm, (-) 1200mm or customized |
| Fire Rating | Class C |
| Packaging Configuration | 36 pcs/box: 936 pcs/ 40' HQ Container |

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

*Copyright@2024V2 Specifications are subject to change without further notification*Only available in Australia