

# HT54-18X(N)

Single Glass TOPCon PV Module

**HIGH** High power

**HT54-18X(N)**  
**430W/435W/440W/445W/450W**



- Module Efficiency: 23.0%
- No. of Cells 108(6×18)
- Weight 21.0 (±0.5) kg
- Dimensions 1722×1134×30mm
- For Australia market



MULTIWAY+

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 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.



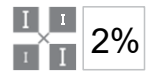
Entire module certified to with stand extreme wind(2400 Pa) and snow loads (5400 Pa)

**TOPCon**

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



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



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)-430W/435W/440W/445W/450W

### Electrical Characteristics (STC)

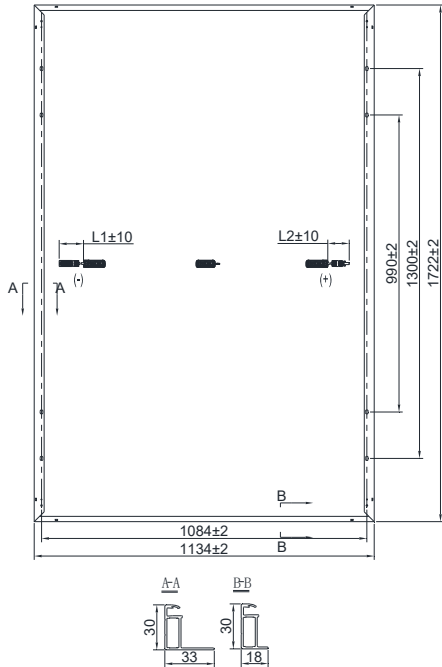
Module Type	HT54-18X(N)				
Maximum Power(Pmax)	430W	435W	440W	445W	450W
Open Circuit Voltage(Voc)	38.3V	38.4V	38.6V	38.7V	38.8V
Short Circuit Current(Isc)	14.23A	14.31A	14.39A	14.47A	14.55A
Maximum Power Voltage(Vmp)	31.9V	32.0V	32.2V	32.4V	32.5V
Maximum Power Current(Imp)	13.50A	13.60A	13.68A	13.76A	13.85A
Module Efficiency	22.0%	22.3%	22.5%	22.8%	23.0%
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/m<sup>2</sup>, module temperature 25°C

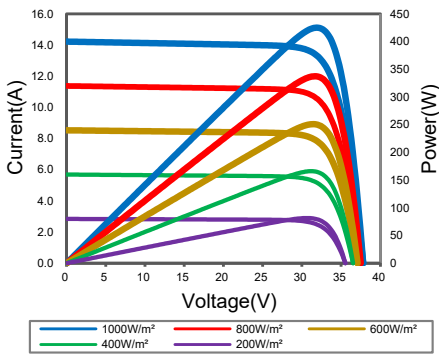
### Electrical Characteristics (NMOT)

Module Type	HT54-18X(N)				
Maximum Power(Pmax)	327W	331W	335W	338W	342W
Open Circuit Voltage(Voc)	36.8V	36.9V	37.1V	37.2V	37.2V
Short Circuit Current(Isc)	11.47A	11.53A	11.60A	11.66A	11.73A
Maximum Power Voltage(Vmp)	30.6V	30.7V	30.9V	31.1V	31.2V
Maximum Power Current(Imp)	10.69A	10.78A	10.84A	10.87A	10.96A

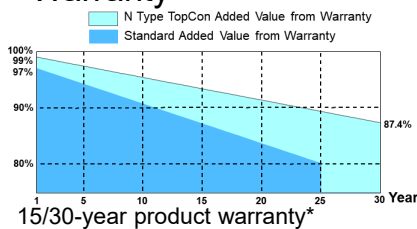
\* NMOT: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s



### 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	1722×1134×30mm	
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 <sup>2</sup> (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