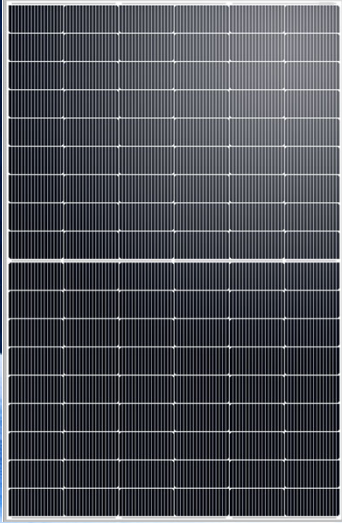


# HT54-18X(N)

**SINGLE GLASS TOPCON PV MODULE**  
**455-475W**

**DESIGNED FOR AUSTRALIA**  
**MODULE EFFICIENCY UP TO 23.8%**



## FEATURE



Half-cut cell technology reduces internal power loss, improves power production and provides excellent heat dissipation to avoid hot spots.



**30 Year** product warranty for rooftop installations  
**15 Year** for ground mounted.



**30 Year** power output warranty.

## EL Tested

High quality control using double EL tests to ensure reliability and avoid microcracks.



Certified to withstand extreme mechanical load 5400 Pa positive and 2400 Pa negative. 25mm hailstone at the speed of 23m/s.

## TOPCon

Optimised Multi-Busbar (MBB) for maximum light absorption, lower resistance and improved current collection for enhanced reliability.



Designed for high voltage systems of up to 1500 VDC, increases string length and saves on BoS costs.



All modules sorted and packaged by amperage reducing mismatch losses by average of 2% to enhance system output.

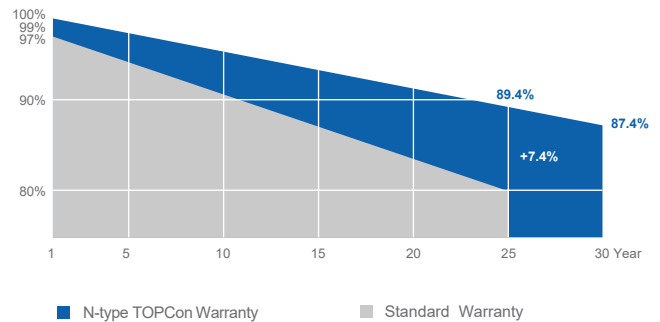
## AntiPID

Excellent Anti-PID performance resulting in low power degradation and a high energy yield.

## Low Degradation Rate

0.4% annual degradation rate over 30 year power output.

## WARRANTY



## COMPREHENSIVE AND FIRST-RATE CERTIFICATION SYSTEM

IEC 61215, IEC 61730 Latest Standard  
 ISO 9001, ISO 14001, ISO 45001 and SA8000.  
 Strict quality control of the highest international standards.



**MULTIWAY+**  
BETTER CHOICE FOR HIGHER EFFICIENCY!

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

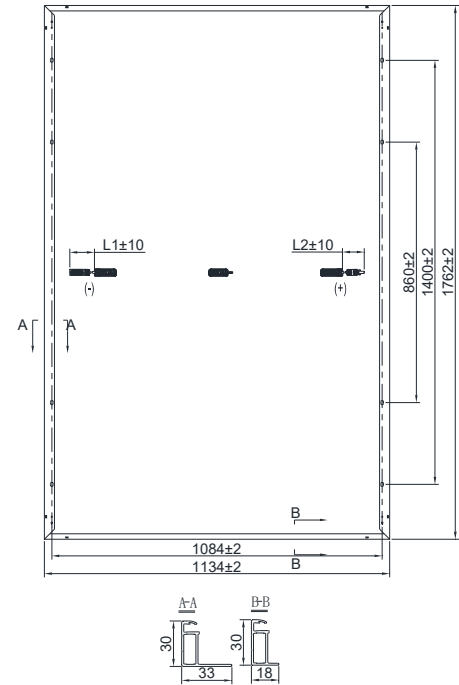
### ELECTRICAL CHARACTERISTICS (STC)

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/m <sup>2</sup> , module temperature 25°C					

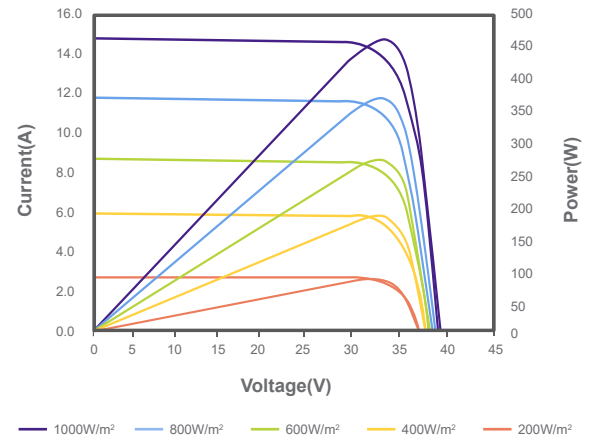
### ELECTRICAL CHARACTERISTICS (NMOT)

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/m <sup>2</sup> , ambient temperature 20°C, wind speed 1m/s					
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 (6x18)				
Dimensions	1762mm x 1134mm x 30mm				
Weight	21.0 kg				
Glass	High light transmittance coated tempered glass				
Frame	Anodised aluminum alloy				
Junction Box/Connectors	IP68 / PV-HT005-01 HT-SAAE product / Stäubli MC4				
Cable	4mm <sup>2</sup> (IEC) length: (+) 1200mm, (-) 1200mm				
Fire Rating	IEC Class C				
Packaging Configuration	36 pcs/box: 936 pcs/ 40' HQ Container				

### DIMENSIONS OF PV MODULE (MM)



### IV CURVES



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Shanghai, China 201108

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

**Made in China**

Module recycling should be carried out by professionals.

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Only available in Australia