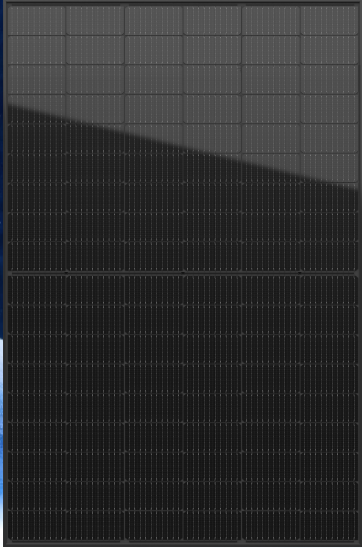


# HT54-18X(N) PANDA

**SINGLE GLASS TOPCON PV MODULE**  
**430-450W**

**DESIGNED FOR AUSTRALIA**  
**MODULE EFFICIENCY UP TO 23.0%**



## 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.

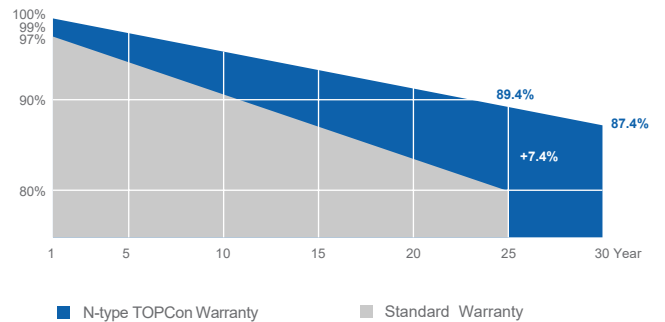
## AntiPID

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) PANDA**  
430W / 435W / 440W / 445W / 450W

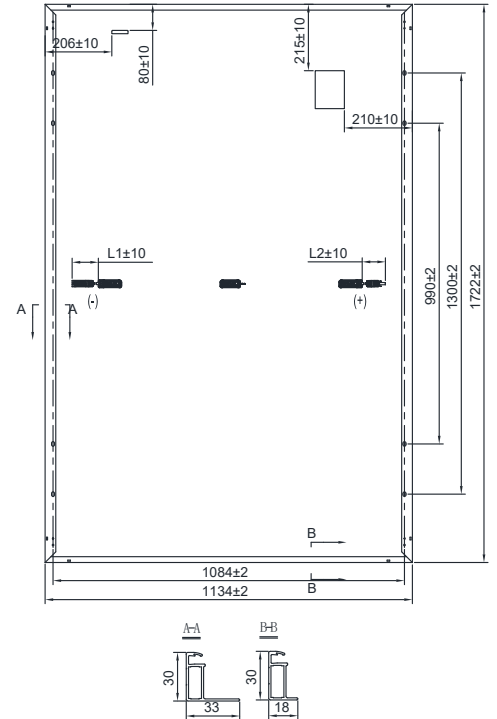
### ELECTRICAL CHARACTERISTICS (STC)

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					

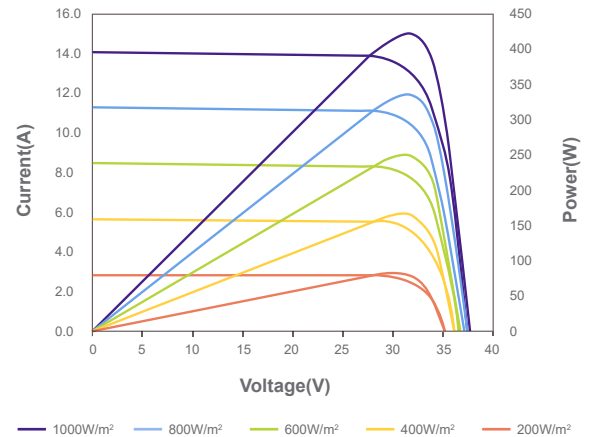
### ELECTRICAL CHARACTERISTICS (NMOT)

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					
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	1722mm 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