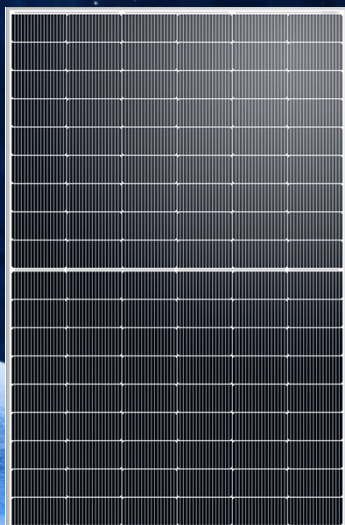




HT-SAAE • PV

Reliable State Owned Enterprise Delivering Solar Power since 1960



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 Super Multi-Busbar (SMBB) for maximum light absorption, lower resistance, better low-light response 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.

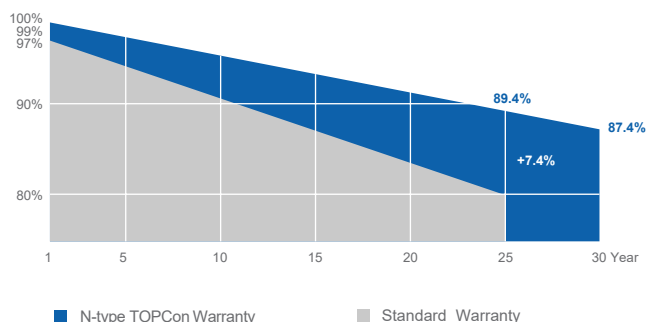
AntiPID

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

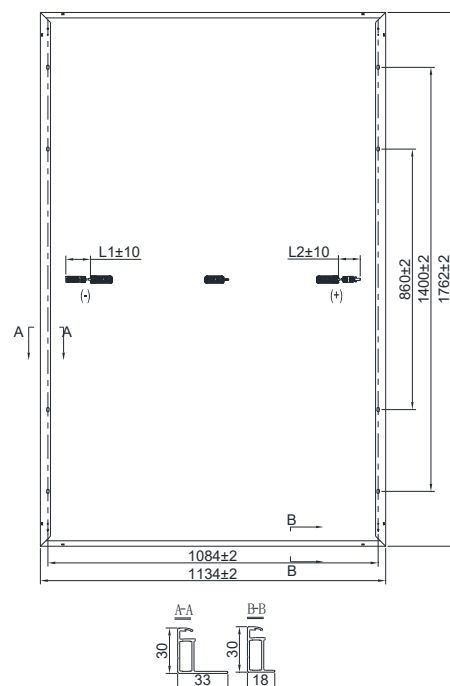
ELECTRICAL CHARACTERISTICS (STC)

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/m², module temperature 25°C					

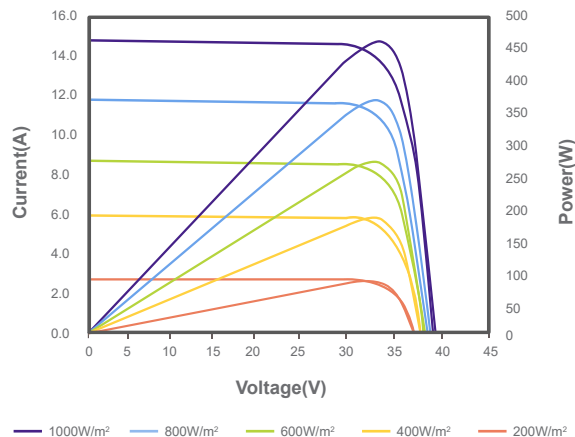
ELECTRICAL CHARACTERISTICS (NMOT)

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					
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	3.2mm High transmittance coated tempered glass (option to Anti-glare glass)				
Frame	Anodised aluminum alloy				
Junction Box/Connectors	IP68 / PV-HT005-01 HT-SAAE product / Stäubli MC4				
Cable	4mm²(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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Website: www.ht-saae.com.au

Made in China

Module recycling should be carried out by professionals.

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Only available in Australia