

HT54-18X(N)

SINGLE GLASS TOPCON PV MODULE
500-520W

DESIGNED FOR AUSTRALIA
MODULE EFFICIENCY UP TO 23.4%



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.

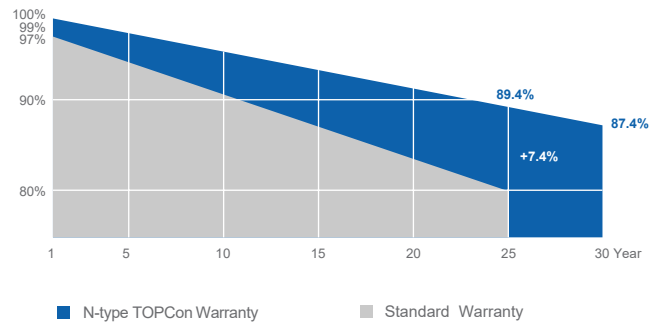
AntiPID

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)
500W / 505W / 510W / 515W / 520W

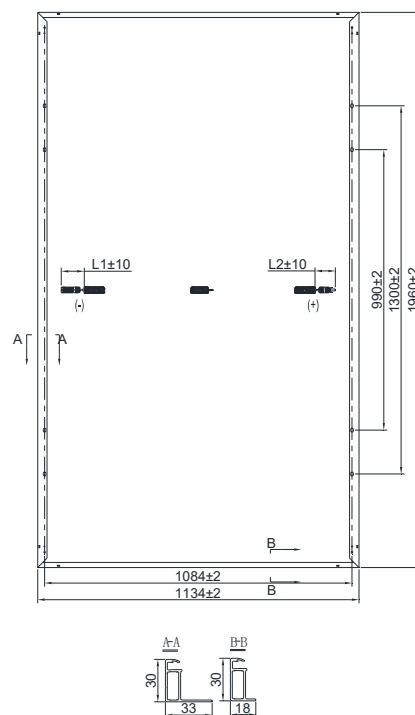
ELECTRICAL CHARACTERISTICS (STC)

Module Type	HT54-18X(N)				
Maximum Power (Pmax)	500W	505W	510W	515W	520W
Open Circuit Voltage(Voc)	40.1V	39.5V	39.7V	39.9V	40.0V
Short Circuit Current(Isc)	15.62A	16.10A	16.15A	16.20A	16.26A
Maximum Power Voltage(Vmp)	33.9V	32.7V	32.9V	33.1V	33.2V
Maximum Power Current(Imp)	14.77A	15.45A	15.51A	15.57A	15.67A
Module Efficiency	22.5%	22.7%	22.9%	23.2%	23.4%
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 ² , module temperature 25°C					

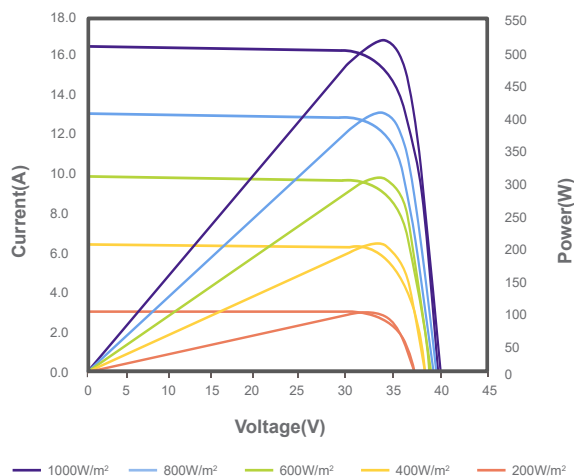
ELECTRICAL CHARACTERISTICS (NMOT)

Module Type	HT54-18X(N)				
Maximum Power(Pmax)	380W	384W	388W	392W	395W
Open Circuit Voltage(Voc)	38.5V	37.9V	38.1V	38.3V	38.4V
Short Circuit Current(Isc)	12.59A	12.97A	13.02A	13.06A	13.10A
Maximum Power Voltage(Vmp)	32.5V	31.4V	31.6V	31.8V	31.9V
Maximum Power Current(Imp)	11.69A	12.23A	12.28A	12.33A	12.38A
NMOT: Irradiance 800W/m ² , 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	1960mm x 1134mm x 30mm				
Weight	23.5 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 ² (IEC) length: (+) 1200mm, (-) 1200mm				
Fire Rating	IEC Class C				
Packaging Configuration	36 pcs/box: 864 pcs/ 40' HQ Container				

DIMENSIONS OF PV MODULE (MM)



IV CURVES



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Made in China

Module recycling should be carried out by professionals.

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Only available in Australia