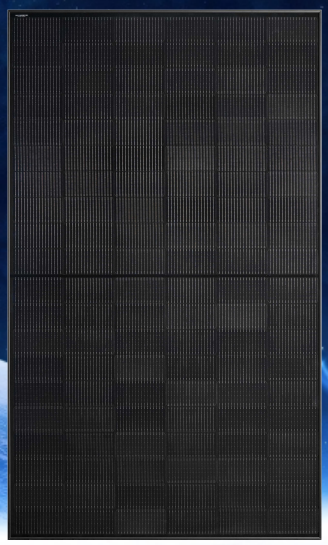
HT-SAAE.PV

Reliable State Owned Enterprise Delivering Solar Power since 1960



HT60-18X(N) PANDA

SINGLE GLASS TOPCON PV MODULE

490-510W

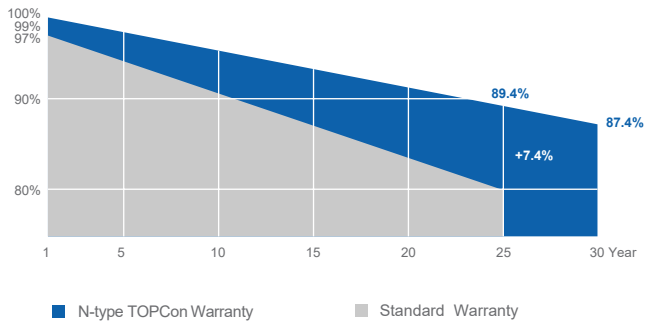
DESIGNED FOR AUSTRALIA

MODULE EFFICIENCY UP TO 23.6%

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.
30Yrs	**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.
1500V	Designed for high voltage systems of up to 1500 VDC, increases string length and saves on BoS costs.
2%	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.

FSC www.fsc.org

#DS0881

MULTIWAY+

BETTER CHOICE FOR HIGHER EFFICIENCY!

HT60-18X(N)

490W /495W /500W /505W /510W

ELECTRICAL CHARACTERISTICS (STC)

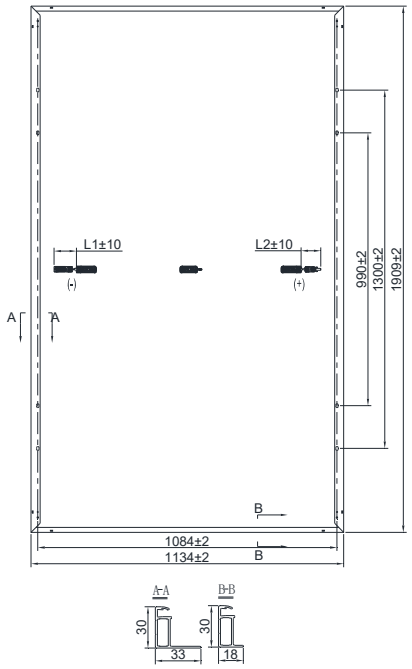
Module Type	HT60-18X(N)				
Maximum Power (Pmax)	490W	495W	500W	505W	510W
Open Circuit Voltage(Voc)	42.9V	43.1V	43.3V	43.5V	43.7V
Short Circuit Current(Isc)	14.47A	14.55A	14.63A	14.71A	14.79A
Maximum Power Voltage(Vmp)	36.0V	36.2V	36.4V	36.6V	36.8V
Maximum Power Current(Imp)	13.63A	13.69A	13.75A	13.81A	13.87A
Module Efficiency	22.6%	22.9%	23.1%	23.3%	23.6%
Power/Voc/Isc Measurement Tolerances	±3%/±5%/±5%				
Maximum System Voltage	1500V DC (IEC)				
Maximum Series Fuse Rating	30A				
Operating Temperature	-40℃ to +85℃				
STC: AM 1.5, Irradiance 1000W/m², module temperature 25℃					

ELECTRICAL CHARACTERISTICS (NMOT)

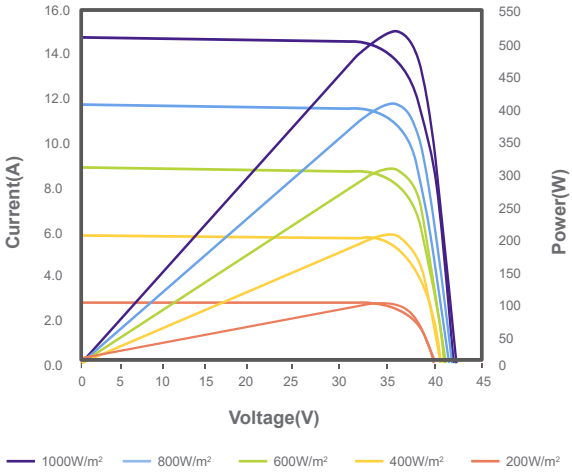
Module Type	HT60-18X(N)				
Maximum Power(Pmax)	373W	376W	380W	384W	388W
Open Circuit Voltage(Voc)	41.2V	41.4V	41.6V	41.8V	42.0V
Short Circuit Current(Isc)	11.66A	11.73A	11.79A	11.85A	11.92A
Maximum Power Voltage(Vmp)	34.6V	34.8V	34.9V	35.1V	35.3V
Maximum Power Current(Imp)	10.78A	10.80A	10.89A	10.94A	10.99A
NMOT: Irradiance 800W/m², ambient temperature 20℃, wind speed 1m/s					

Nominal Module Operating Temperature(NMOT)	43 ± 2°C	
Temperature Coefficient of Pmax	γ(PM)	-0.31%/℃
Temperature Coefficient of Voc	β(Voc)	-0.25%/℃
Temperature Coefficient of Isc	α(Isc)	0.046%/℃
Solar Cells	Monocrystalline	
No.of Cells	120 (6x20)	
Dimensions	1909mm x 1134mm x 30mm	
Weight	23.0 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	4mm²(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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Website: www.ht-saae.com.au

Made in China

Module recycling should be carried out by professionals.

Only available in Australia