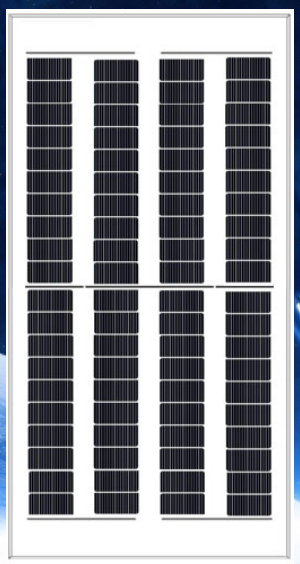
HT-SAAE.PV

Reliable State Owned Enterprise Delivering Solar Power since 1960



HT40-18X(ND)-F

DOUBLE GLASS TOPCON PV MODULE

310-330W

DESIGNED FOR AUSTRALIA

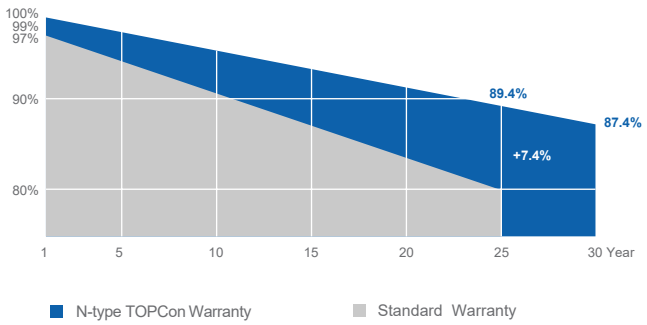
MODULE EFFICIENCY UP TO 12.8%

46% LIGHT TRANSMITTANCE

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

#DS0883

MULTIWAY+

BETTER CHOICE FOR HIGHER EFFICIENCY!

HT40-18X(ND)-F

310W / 315W / 320W /325W / 330W

ELECTRIACAL CHARACTERISTICS (STC)

Module Type	HT40-18X(ND)-F				
Maximum Power (Pmax)	310W	315W	320W	325W	330W
Open Circuit Voltage(Voc)	27.8V	28.0V	28.1V	28.2V	28.4V
Short Circuit Current(Isc)	14.16A	14.26A	14.42A	14.58A	14.68A
Maximum Power Voltage(Vmp)	23.2V	23.4V	23.5V	23.6V	23.8V
Maximum Power Current(Imp)	13.37A	13.47A	13.63A	13.79A	13.88A
Module Efficiency	12.0%	12.2%	12.4%	12.6%	12.8%
Power/Voc/Isc Measurement Tolerance	±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℃					

ELECTRIACAL CHARACTERISTICS (NMOT)

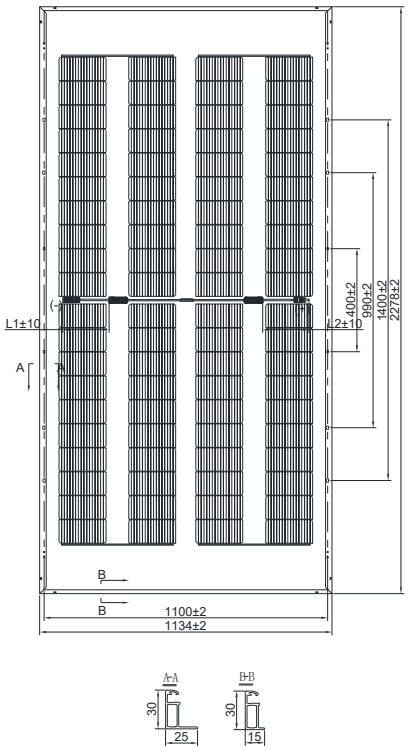
Module Type	HT40-18X(ND)-F				
Maximum Power(Pmax)	236W	240W	243W	247W	251W
Open Circuit Voltage(Voc)	26.7V	26.9V	27.0V	27.1V	27.3V
Short Circuit Current(Isc)	11.41A	11.49A	11.62A	11.75A	11.83A
Maximum Power Voltage(Vmp)	22.3V	22.5V	22.6V	22.7V	22.8V
Maximum Power Current(Imp)	10.58A	10.67A	10.75A	10.88A	11.01A
NMOT: Irradiance 800W/m², ambient temperature 20℃, wind speed 1m/s					

BIFACIAL NAMEPLATE IRRADIANCE (BNPI)

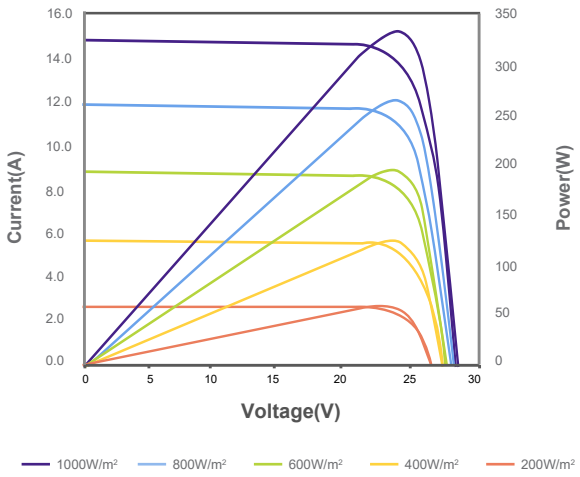
Maximum Power(Pmax)	341W	347W	353W	358W	364W
Open Circuit Voltage(Voc)	27.8V	28.0V	28.1V	28.2V	28.4V
Short Circuit Current(Isc)	15.58A	15.69A	15.86A	16.04A	16.15A
Maximum Power Voltage(Vmp)	23.2V	23.4V	23.5V	23.6V	23.8V
Maximum Power Current(Imp)	14.70A	14.83A	15.02A	15.17A	15.29A
*BNPI: front 1000W/m², rear 135W/m²					

Nominal Module Operating Temperature(NMOT)	43 ± 2℃	
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	80 (4x20)	
Dimensions	2278mm x 1134mm x 30mm	
Weight	32.5 kg	
Glass	High transmittance coated tempered glass/Heat strengthened glass	
Frame	Anodised aluminum alloy	
Junction Box/Connectors	IP68 / PV-HT005-01 HT-SAAE product / Stäubli MC4	
Cable	4mm²(IEC) length: (+) 400mm, (-) 300mm	
Fire Rating	Class C	
Packaging Configuration	36pcs/box: 720pcs/ 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

Made in China

Module recycling should be carried out by professionals.

Only available in Australia