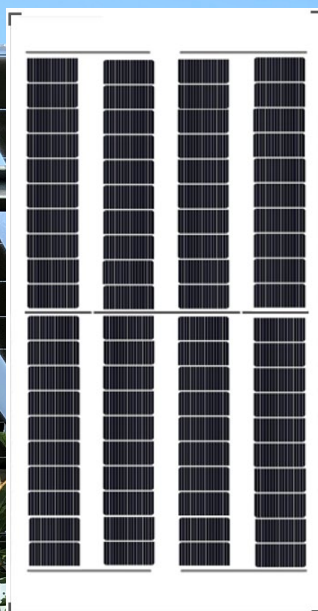




HT40-18X(ND)

DOUBLE GLASS BIFACIAL TOPCON PV MODULE
320-340W

DESIGNED FOR AUSTRALIA
MODULE EFFICIENCY UP TO 13.3%
45% 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.



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.

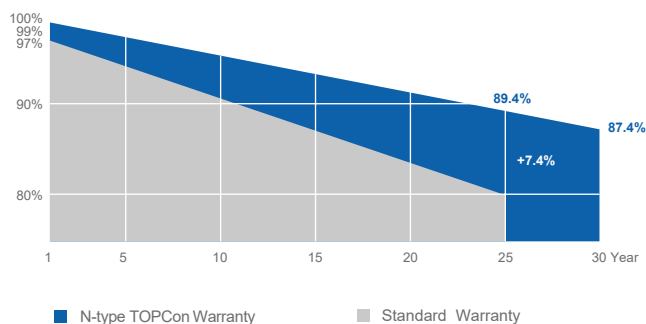
AntiPID

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.

SA8000, ISO 9001, ISO 14001 and ISO 45001.

Strict quality control of the highest international standards.



MULTIWAY+
BETTER CHOICE FOR HIGHER EFFICIENCY!

HT40-18X(ND)

320W / 325W / 330W / 335W / 340W

ELECTRICAL CHARACTERISTICS (STC)

Module Type	HT40-18X(ND)				
Maximum Power (Pmax)	320W	325W	330W	335W	340W
Open Circuit Voltage(Voc)	28.88V	29.07V	29.26V	29.45V	29.64V
Short Circuit Current(Isc)	14.28A	14.34A	14.40A	14.46A	14.52A
Maximum Power Voltage(Vmp)	23.50V	23.60V	23.80V	24.00V	24.20V
Maximum Power Current(Imp)	13.63A	13.79A	13.88A	13.97A	14.06A
Module Efficiency	12.5%	12.7%	12.9%	13.1%	13.3%
Power/Voc/Isc Measurement Tolerance	±3%/±5%/±5%				
Maximum System Voltage	1500V DC (IEC)				
Maximum Series Fuse Rating	30A				
Operating Temperature	-40-70°C, Module[T98] max :70°C				
STC: AM 1.5, Irradiance 1000W/m², module temperature 25°C					

ELECTRICAL CHARACTERISTICS (NMOT)

Module Type	HT40-18X(ND)				
Maximum Power(Pmax)	243W	246W	250W	254W	258W
Open Circuit Voltage(Voc)	27.58V	27.76V	27.94V	28.12V	28.31V
Short Circuit Current(Isc)	11.52A	11.57A	11.62A	11.66A	11.71A
Maximum Power Voltage(Vmp)	22.44V	22.54V	22.73V	22.92V	23.11V
Maximum Power Current(Imp)	10.83A	10.91A	11.00A	11.08A	11.16A
NMOT: Irradiance 800W/m ² , ambient temperature 20°C, wind speed 1m/s					

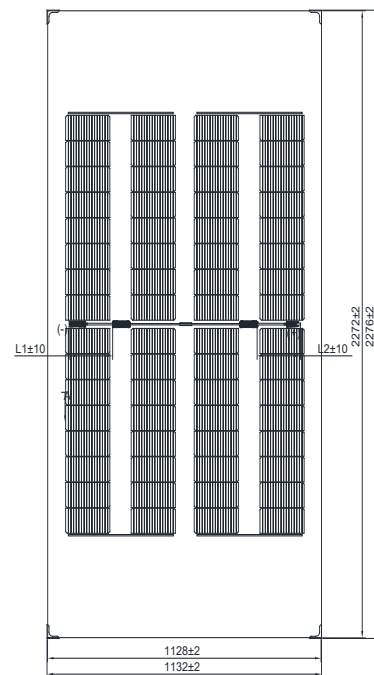
ELECTRICAL RATINGS AT IRRADIANCE LEVEL AT BNPI

Rated Voc at BNPI [V] / tolerance ±5%	28.86	29.05	29.24	29.43	29.62
Rated Isc at BNPI [A] / tolerance ±5%	15.82	15.89	15.96	16.02	16.09
Rated Vmp at BNPI [V]	23.52	23.62	23.82	24.02	24.22
Rated Imp at BNPI [A]	15.1	15.28	15.38	15.48	15.58
Rated Pmax at BNPI [W] / tolerance ±3%	355.2	360.9	366.3	371.8	377.3

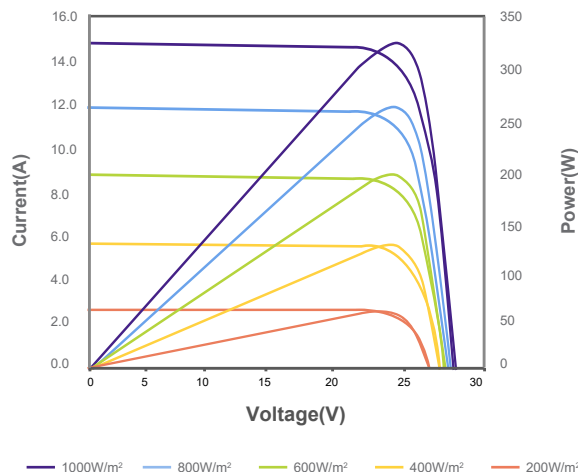
BIFACIALITY COEFFICIENT WITH TOLERANCE (BNPI)

φPmax	80%±5%	
φVoc	98%±5%	
φIsc	80%±5%	
Nominal Module Operating Temperature(NMOT)		
		43 ± 2°C
Temperature Coefficient of Pmax	γ(PM)	-0.29%/°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	64 (4x16)	
Dimensions	2272mm x 1128mm x 6.5mm	
Weight	30.0 kg	
Glass	Anti-Reflection Coating Heat Strengthened Glass	
Junction Box/Connectors	IP68 /Stäubli MC4	
Cable	4mm²(IEC) length: (+) 400mm, (-) 300mm or customised	
Fire Class Rating	Class C	
Packaging Configuration	33pcs/box: 330pcs/ 40' HQ Container	

DIMENSIONS OF PV MODULE (MM)



IV CURVES



Shanghai Aerospace Automobile Electromechanical Co., Ltd.
(HT-SAAE)

Factory

Lianyungang Shenzhou New Energy Co., Ltd. (HT-Solar)

Australia office

Level 45, 680 George St, Sydney NSW 2000

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

#DS1262