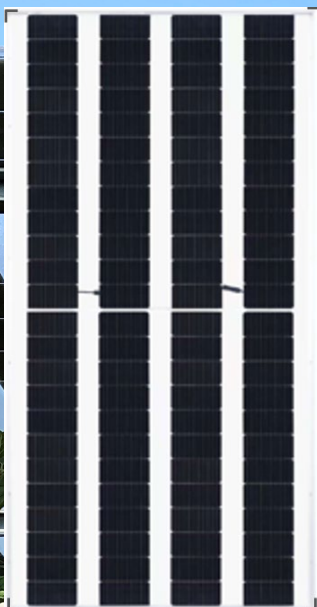




HT48-18X(ND)

DOUBLE GLASS BIFACIAL TOPCON PV MODULE
385-405W

DESIGNED FOR AUSTRALIA
MODULE EFFICIENCY UP TO 15.8%
35% 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.

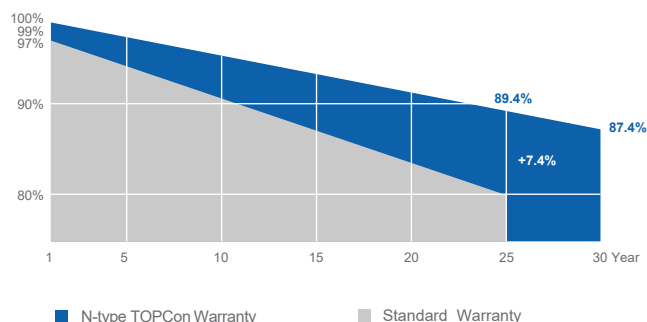
AntiPID

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!

HT48-18X(ND)

385W / 390W / 395W / 400W / 405W

ELECTRICAL CHARACTERISTICS (STC)

Module Type	HT48-18X(ND)				
Maximum Power (Pmax)	385W	390W	395W	400W	405W
Open Circuit Voltage(Voc)	34.88V	35.07V	35.26V	35.45V	35.64V
Short Circuit Current(Isc)	14.16A	14.19A	14.22A	14.25A	14.28A
Maximum Power Voltage(Vmp)	29.22V	29.39V	29.56V	29.73V	29.90V
Maximum Power Current(Imp)	13.18A	13.28A	13.37A	13.46A	13.55A
Module Efficiency	15.0%	15.2%	15.4%	15.6%	15.8%
Power/Voc/Isc Measurement Tolerance	±3%/±5%/±5%				
Maximum System Voltage	1500V DC (IEC)				
Maximum Series Fuse Rating	25A				
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	HT48-18X(ND)				
Maximum Power(Pmax)	292W	296W	300W	303W	307W
Open Circuit Voltage(Voc)	33.31V	33.49V	33.67V	33.85V	34.04V
Short Circuit Current(Isc)	11.42A	11.45A	11.47A	11.49A	11.52A
Maximum Power Voltage(Vmp)	27.91V	28.07V	28.23V	28.39V	28.55V
Maximum Power Current(Imp)	10.46A	10.55A	10.63A	10.67A	10.75A

NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s

ELECTRICAL RATINGS AT IRRADIANCE LEVEL AT BNPI

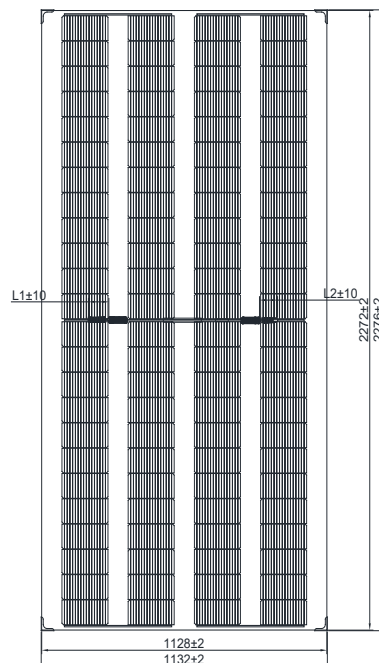
Rated Voc at BNPI [V] / tolerance ±5%	28.86	29.05	29.24	29.43	29.62
Rated Isc at BNPI [A] / tolerance ±5%	15.82	15.89	15.96	16.02	16.09
Rated Vmp at BNPI [V]	23.52	23.62	23.82	24.02	24.22
Rated Imp at BNPI [A]	15.1	15.28	15.38	15.48	15.58
Rated Pmax at BNPI [W] / tolerance ±3%	355.2	360.9	366.3	371.8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

BIFACIALITY COEFFICIENT WITH TOLERANCE (BNPI)

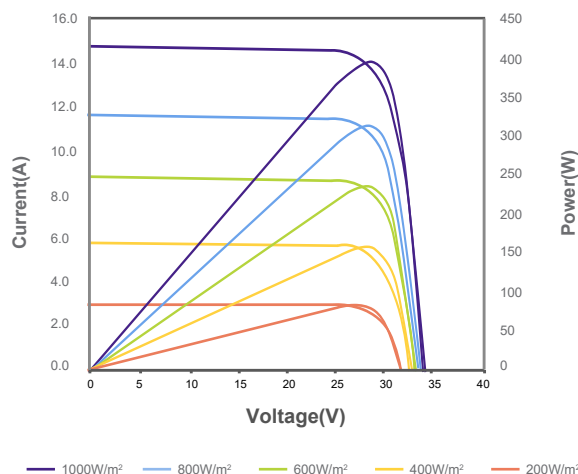
φPmax	80%±5%
φVoc	98%±5%
φIsc	80%±5%

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	96 (4x24)	
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

#DS1263