



HT32-18X(ND)

DOUBLE GLASS BIFACIAL TOPCON PV MODULE

250-270W

DESIGNED FOR AUSTRALIA

MODULE EFFICIENCY UP TO 10.5%

55% 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.

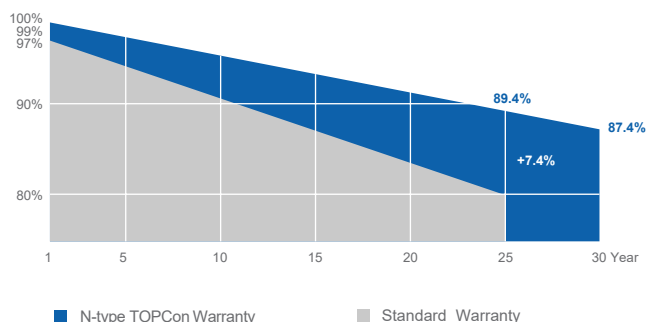
AntiPID

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!

HT32-18X(ND)
250W / 255W / 260W / 265W / 270W

ELECTRICAL CHARACTERISTICS (STC)

Module Type	HT32-18X(ND)				
Maximum Power (Pmax)	250W	255W	260W	265W	270W
Open Circuit Voltage(Voc)	22.97V	23.19V	23.41V	23.63V	23.85V
Short Circuit Current(Isc)	14.12A	14.18A	14.24A	14.30A	14.36A
Maximum Power Voltage(Vmp)	18.80V	18.90V	19.00V	19.20V	19.40V
Maximum Power Current(Imp)	13.32A	13.50A	13.69A	13.81A	13.93A
Module Efficiency	9.7%	9.9%	10.1%	10.30%	10.5%
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	HT32-18X(ND)				
Maximum Power(Pmax)	190W	193W	197W	201W	205W
Open Circuit Voltage(Voc)	21.94V	22.15V	22.36V	22.57V	22.78V
Short Circuit Current(Isc)	11.39A	11.44A	11.49A	11.53A	11.58A
Maximum Power Voltage(Vmp)	17.95V	18.05V	18.15V	18.34V	18.53V
Maximum Power Current(Imp)	10.58A	10.69A	10.85A	10.96A	11.06A

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

ELECTRICAL RATINGS AT IRRADIANCE LEVEL AT BNPI

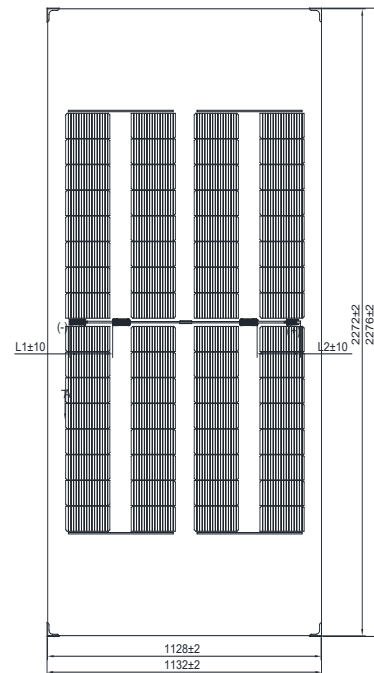
Rated Voc at BNPI [V] / tolerance ±5%	22.95	23.17	23.39	23.61	23.83
Rated Isc at BNPI [A] / tolerance ±5%	15.64	15.71	15.78	15.84	15.91
Rated Vmp at BNPI [V]	18.82	18.92	19.02	19.22	19.42
Rated Imp at BNPI [A]	14.76	14.96	15.17	15.3	15.43
Rated Pmax at BNPI [W] / tolerance ±3%	277.8	283	288.5	294.1	299.7

BIFACIALITY COEFFICIENT WITH TOLERANCE (BNPI)

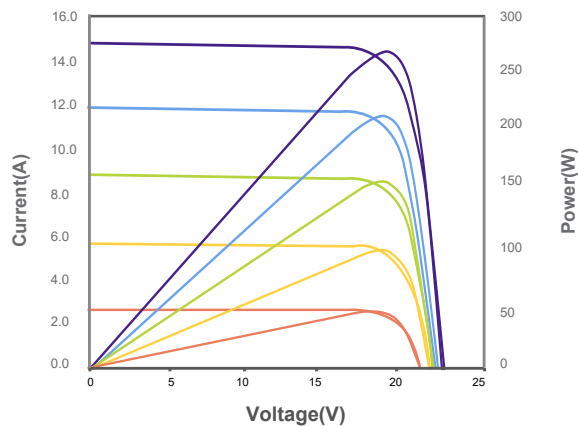
φPmax	80%±5%
φVoc	98%±5%
φIsc	80%±5%

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	4mm ² (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



— 1000W/m² — 800W/m² — 600W/m² — 400W/m² — 200W/m²

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

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