

HT48-18X(ND)

DOUBLE GLASS TOPCON PV MODULE
375-395W

DESIGNED FOR AUSTRALIA
MODULE EFFICIENCY UP TO 15.4%
38% 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.

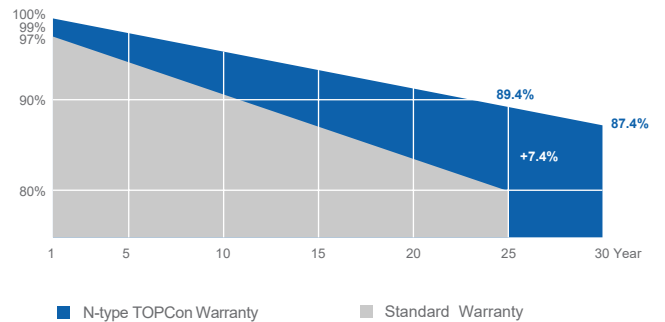
AntiPID

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
ISO 9001, ISO 14001, ISO 45001 and SA8000.
Strict quality control of the highest international standards.



MULTIWAY+
BETTER CHOICE FOR HIGHER EFFICIENCY!

HT48-18X(ND)
375W / 380W / 385W / 390W / 395W

ELECTRICAL CHARACTERISTICS (STC)

Module Type	HT48-18X(ND)				
Maximum Power (Pmax)	375W	380W	385W	390W	395W
Open Circuit Voltage(Voc)	33.6V	33.7V	33.8V	33.9V	34.0V
Short Circuit Current(Isc)	14.21A	14.35A	14.49A	14.60A	14.71A
Maximum Power Voltage(Vmp)	28.1V	28.2V	28.3V	28.4V	28.6V
Maximum Power Current(Imp)	13.35A	13.49A	13.63A	13.74A	13.83A
Module Efficiency	14.6%	14.8%	15.0%	15.2%	15.4%
Power/Voc/Isc Measurement Tolerance	±3%/±5%/±5%				
Maximum System Voltage	1500V DC (IEC)				
Maximum Series Fuse Rating	30A				
Operating Temperature	-40°C to +85°C				
STC: AM 1.5, Irradiance 1000W/m ² , module temperature 25°C					

ELECTRICAL CHARACTERISTICS (NMOT)

Module Type	HT48-18X(ND)				
Maximum Power(Pmax)	285W	289W	293W	297W	300W
Open Circuit Voltage(Voc)	32.3V	32.4V	32.4V	32.5V	32.6V
Short Circuit Current(Isc)	11.45A	11.56A	11.68A	11.77A	11.85A
Maximum Power Voltage(Vmp)	27.0V	27.1V	27.2V	27.3V	27.5V
Maximum Power Current(Imp)	10.56A	10.66A	10.77A	10.88A	10.91A
NMOT: Irradiance 800W/m ² , ambient temperature 20°C, wind speed 1m/s					

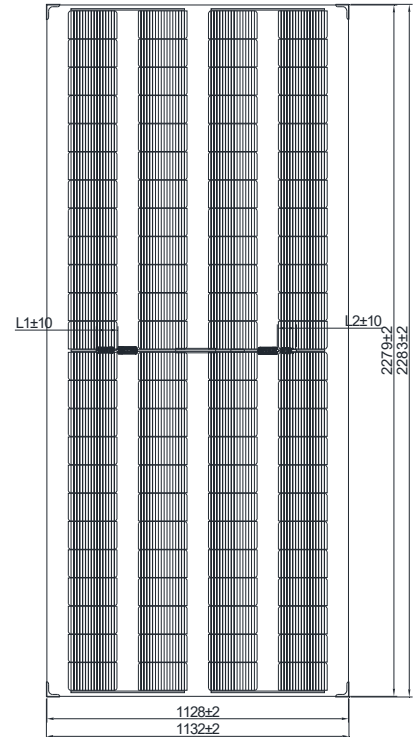
BIFACIAL NAMEPLATE IRRADIANCE (BNPI)

Maximum Power(Pmax)	413W	419W	424W	430W	436W
Open Circuit Voltage(Voc)	33.6V	33.7V	33.8V	33.9V	40.0V
Short Circuit Current(Isc)	15.63A	15.79A	15.94A	16.06A	16.18A
Maximum Power Voltage(Vmp)	28.1V	28.2V	28.3V	28.4V	28.6V
Maximum Power Current(Imp)	14.70A	14.86A	14.98A	15.14A	15.24A

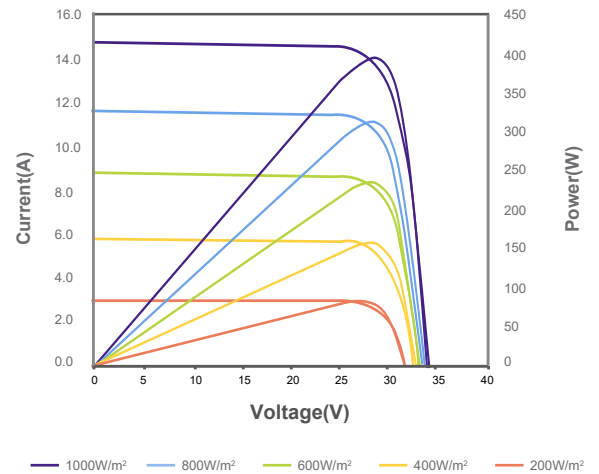
*BNPI: front 1000W/m², rear 135W/m²

Nominal Module Operating Temperature(NMOT)	43 ± 2°C	
Temperature Coefficient of Pmax	γ(PM)	-0.31%/°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	2279mm x 1128mm x 6.5mm	
Weight	35.5 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	4mm ² (IEC) length: (+) 400mm, (-) 300mm	
Fire Rating	Class C	
Packaging Configuration	48pcs/box: 384pcs/ 40' HQ Container	

DIMENSIONS OF PV MODULE (MM)



IV CURVES



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Made in China

Module recycling should be carried out by professionals.

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Only available in Australia

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