

HT60-18X(ND)-F

DOUBLE GLASS TOPCON PV MODULE
495-515W

DESIGNED FOR AUSTRALIA
MODULE EFFICIENCY UP TO 23.3%



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. 35mm hailstone at the speed of 27m/s tested by Dekra.

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.

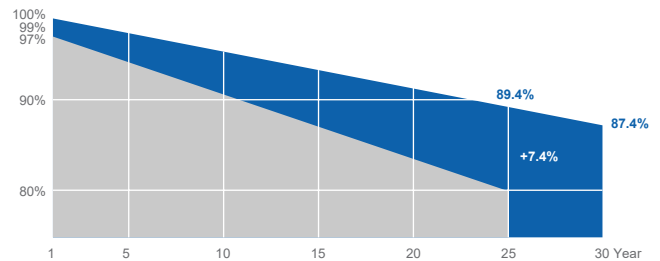
AntiPID

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



■ N-type TOPCon Warranty ■ Standard 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!

HT60-18X(ND)-F
495W / 500W / 505W / 510W / 515W

ELECTRICAL CHARACTERISTICS (STC)

Module Type	HT60-18X(ND)-F				
Maximum Power (Pmax)	495W	500W	505W	510W	515W
Open Circuit Voltage(Voc)	43.1V	43.3V	43.5V	43.7V	43.8V
Short Circuit Current(Isc)	14.55A	14.63A	14.71A	14.79A	14.87A
Maximum Power Voltage(Vmp)	36.2V	36.4V	36.6V	36.8V	37.0V
Maximum Power Current(Imp)	13.69A	13.75A	13.81A	13.87A	13.93A
Module Efficiency	22.4%	22.6%	22.8%	23.0%	23.3%
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	HT60-18X(ND)-F				
Maximum Power(Pmax)	376W	380W	384W	388W	392W
Open Circuit Voltage(Voc)	41.4V	41.6V	41.8V	42.0V	42.0V
Short Circuit Current(Isc)	11.73A	11.79A	11.85A	11.92A	11.98A
Maximum Power Voltage(Vmp)	34.8V	34.9V	35.1V	35.3V	35.5V
Maximum Power Current(Imp)	10.80A	10.89A	10.94A	10.99A	11.04A
NMOT: Irradiance 800W/m ² , ambient temperature 20°C, wind speed 1m/s					

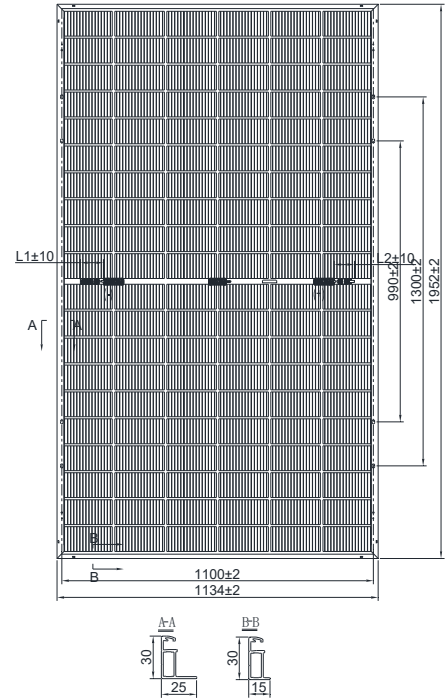
BIFACIAL NAMEPLATE IRRADIANCE (BNPI)

Maximum Power(Pmax)	546W	552W	558W	563W	569W
Open Circuit Voltage(Voc)	43.1V	43.3V	43.5V	43.7V	43.8V
Short Circuit Current(Isc)	16.01A	16.09A	16.18A	16.27A	16.36A
Maximum Power Voltage(Vmp)	36.2V	36.4V	36.6V	36.8V	37.0V
Maximum Power Current(Imp)	15.08A	15.16A	15.25A	15.30A	15.38A

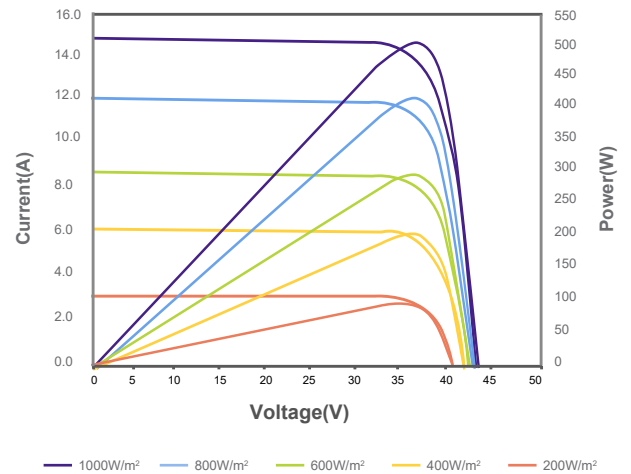
*BNPI: front 1000W/m², rear 135W/m²

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	120 (6x20)	
Dimensions	1952mm x 1134mm x 30mm	
Weight	27.0 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: (+) 1200mm, (-) 1200mm	
Fire Rating	Class C	
Packaging Configuration	36pcs/box: 864pcs/ 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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