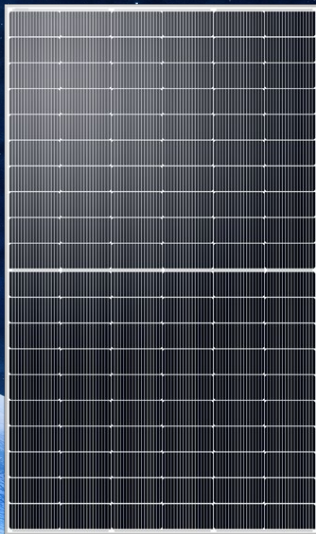




HT60-210R(ND)-F

DOUBLE GLASS BIFACIAL TOPCON PV MODULE

555-575W

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. 45mm hailstone at the speed of 30m/s tested by Dekra.

TOPCon

Optimised Super Multi-Busbar (SMBB) for maximum light absorption, lower resistance, better low-light response 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

288hrs enhanced PID test (IEC TS 62804), a performance with minimal power degradation and higher energy yield.

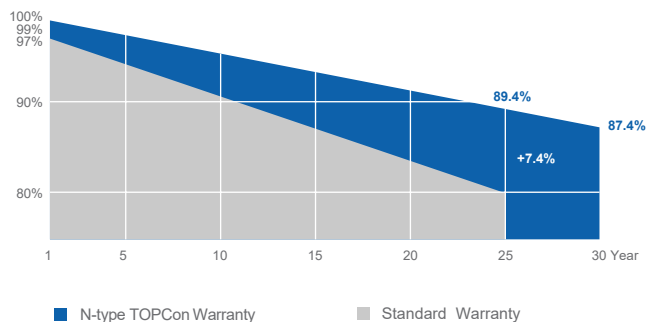
IEC Tests

IEC 61701 Salt Mist Corrosion Resistance
IEC 62716 Ammonia Corrosion Resistance
IEC 60068 Dust Resistance

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!

HT60-210R(ND)-F
555W /560W /565W /570W /575W

ELECTRICAL CHARACTERISTICS (STC)

Module Type	HT60-210R(ND)-F				
Maximum Power (Pmax)	555W	560W	565W	570W	575W
Open Circuit Voltage(Voc)	44.40V	44.59V	44.78V	44.97V	45.16V
Short Circuit Current(Isc)	16.14A	16.17A	16.20A	16.23A	16.26A
Maximum Power Voltage(Vmp)	36.58V	36.77V	36.96V	37.15V	37.34V
Maximum Power Current(Imp)	15.19A	15.25A	15.31A	15.36A	15.41A
Module Efficiency	22.5%	22.7%	22.9%	23.1%	23.3%
Power/Voc/Isc Measurement Tolerances	±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	HT60-210R(ND)-F				
Maximum Power(Pmax)	421W	425W	428W	432W	436W
Open Circuit Voltage(Voc)	42.4V	42.58V	42.76V	42.95V	43.13V
Short Circuit Current(Isc)	13.02A	13.04A	13.07A	13.09A	13.12A
Maximum Power Voltage(Vmp)	34.93V	35.12V	35.30V	35.48V	35.66V
Maximum Power Current(Imp)	12.05A	12.10A	12.12A	12.18A	12.23A

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

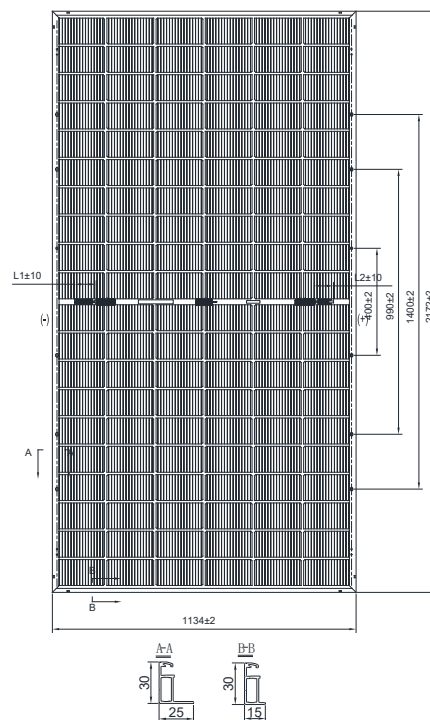
ELECTRICAL RATINGS AT IRRADIANCE LEVEL AT BNPI

Rated Voc at BNPI [V] / tolerance ±5%	44.38	44.57	44.76	44.95	45.14
Rated Isc at BNPI [A] / tolerance ±5%	17.88	17.92	17.95	17.98	18.02
Rated Vmp at BNPI [V]	36.6	36.79	36.98	37.17	37.36
Rated Imp at BNPI [A]	16.83	16.9	16.96	17.02	17.07
Rated Pmax at BNPI [W] / tolerance ±3%	616	621.6	627.3	632.6	637.9

BIFACIALITY COEFFICIENT WITH TOLERANCE (BNPI)

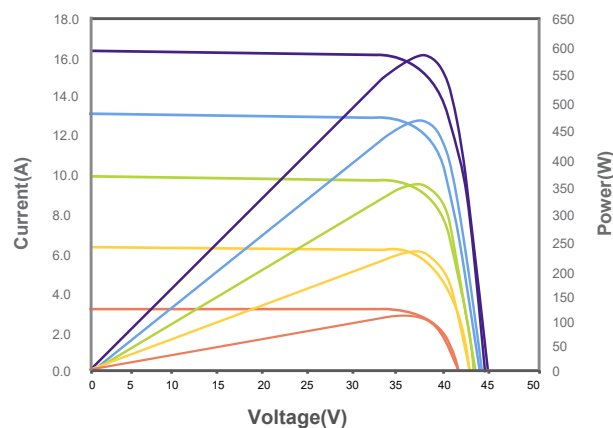
φPmax	80%±5%	
φVoc	98%±5%	
φIsc	80%±5%	
Nominal Module Operating Temperature(NMOT)		43 ± 2°C
Temperature Coefficient of Pmax	γ(PM)	-0.29%/°C
Temperature Coefficient of Voc	β(Voc)	-0.25%/°C
Temperature Coefficient of Isc	α(Isc)	0.046%/°C
Solar Cells	Monocrystalline	
No.of Cells	120 (6x20)	
Dimensions	2172mm x 1134mm x 30mm	
Weight	31.0 kg	
Glass	Anti-Reflection Coating Heat Strengthened Glass	
Frame	Anodised Aluminium Alloy: contains 30% recycled aluminium	
Junction Box/Connectors	IP68 / Stäubli MC4	
Cable	4mm²(IEC) length: (+) 200mm, (-) 300mm or customised	
Fire Class Rating	Class C	
Packaging Configuration	36 pcs/box: 720 pcs/ 40' HQ Container	

DIMENSIONS OF PV MODULE (MM)



Aluminum Frame

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

#DS1264