

HT66-210R(ND)-F

DOUBLE GLASS BIFACIAL TOPCON PV MODULE

615-635W

DESIGNED FOR AUSTRALIA

MODULE EFFICIENCY UP TO 23.5%

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.

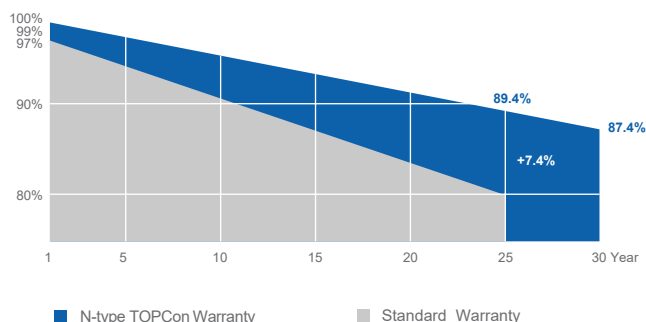
IEC Tests

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!

HT66-210R(ND)-F
615W / 620W / 625W / 630W / 635W

ELECTRICAL CHARACTERISTICS (STC)

Module Type	HT66-210R(ND)-F				
Maximum Power (Pmax)	615W	620W	625W	630W	635W
Open Circuit Voltage(Voc)	48.93V	49.12V	49.31V	49.50V	49.69V
Short Circuit Current(Isc)	16.05A	16.10A	16.15A	16.20A	16.25A
Maximum Power Voltage(Vmp)	40.34V	40.53V	40.72V	40.91V	41.10V
Maximum Power Current(Imp)	15.25A	15.30A	15.35A	15.40A	15.45A
Module Efficiency	22.8%	23.0%	23.1%	23.3%	23.5%
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	HT66-210R(ND)-F				
Maximum Power(Pmax)	466W	470W	474W	478W	481W
Open Circuit Voltage(Voc)	46.73V	46.91V	47.09V	47.27V	47.45V
Short Circuit Current(Isc)	12.95A	12.99A	13.03A	13.07A	13.11A
Maximum Power Voltage(Vmp)	38.52V	38.71V	38.89V	39.07V	39.25V
Maximum Power Current(Imp)	12.10A	12.14A	12.19A	12.23A	12.25A

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

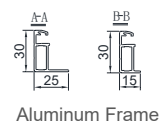
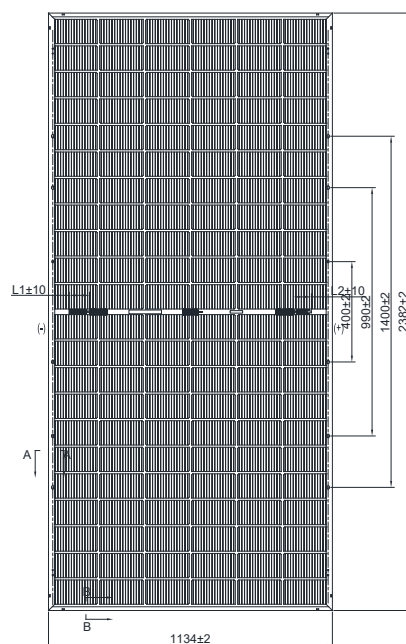
ELECTRICAL RATINGS AT IRRADIANCE LEVEL AT BNPI

Rated Voc at BNPI [V] / tolerance ±5%	48.91	49.1	49.29	49.48	49.67
Rated Isc at BNPI [A] / tolerance ±5%	17.78	17.84	17.89	17.95	18.01
Rated Vmp at BNPI [V]	40.36	40.55	40.74	40.93	41.12
Rated Imp at BNPI [A]	16.9	16.95	17.01	17.06	17.12
Rated Pmax at BNPI [W] / tolerance ±3%	682	687.4	692.9	696.4	703.9

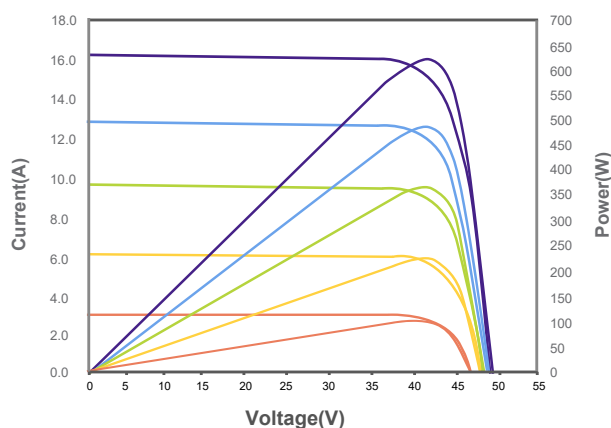
BIFACIALITY COEFFICIENT WITH TOLERANCE (BNPI)

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	132 (6x22)	
Dimensions	2382mm x 1134mm x 30mm	
Weight	33.5kg	
Glass	Anti-Reflection Coating Heat Strengthened Glass	
Frame	Anodised Auminium 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: 720pcs/ 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

#DS1266