

N-Type HJT Module

630-650W

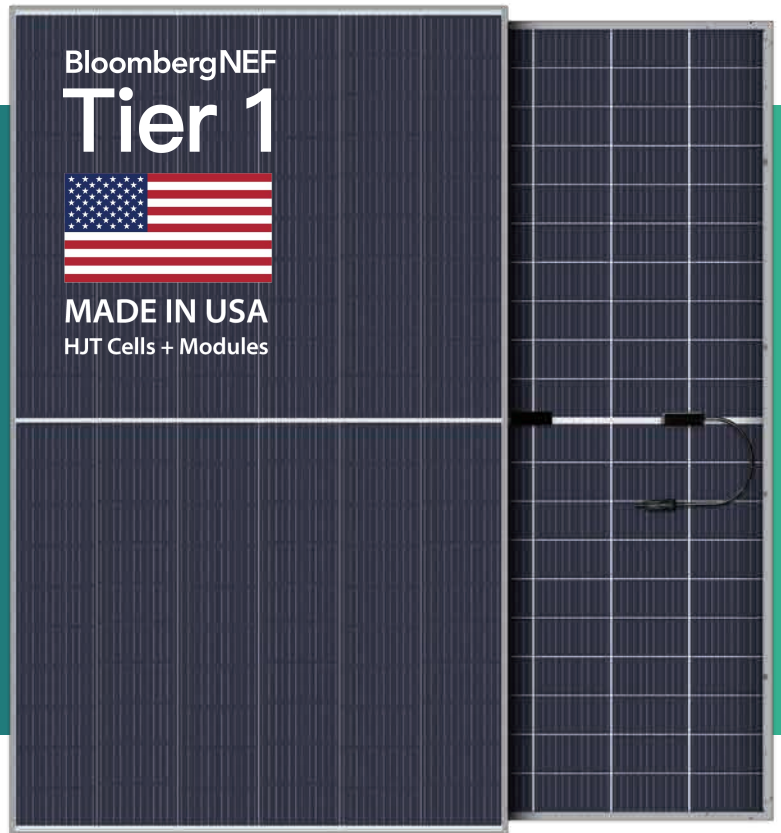
Max. Power Output

0~+3%

Power Tolerance

22.97%

Module Efficiency



BloombergNEF
Tier 1



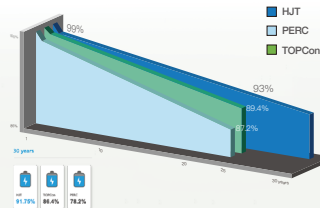
MADE IN USA
HJT Cells + Modules

HJT Half-cut Bifacial Dual-Glass Module(MBB)
Module type: SKA610HDGDC

PRODUCT ADVANTAGES

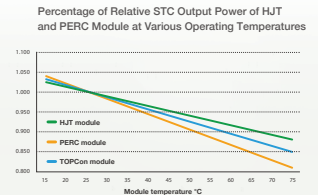
Low Degradation

Translucent Solar HJT modules first year degradation is 1% and subsequent yearly degradation is 0.25%. HJT modules are guaranteed to have 93% power generation rate in 25 years, in comparison TOPCon modules provide 89.4% and PERC 87.2%.



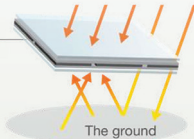
Low Temperature Coefficient

HJT has a lower temperature coefficient than other leading module technologies. Resulting in lower power loss and better power generation in high temperature environments.

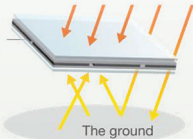


Higher Bifacial Generation

HJT Bifacial
symmetrical structure
+ ~ 5%



TOPCon Bifacial
module



Lowest LCOE in the Industry

The high efficiency and other inherent characteristics of HJT result in the lowest Levelized Cost Of Energy (LCOE) in the industry. On an installed module watt for watt basis, this adds up to a greater than 10% incremental benefit to the project owner.

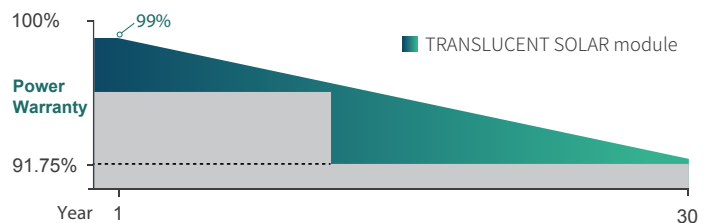


Biggest cost reduction potential

LINEAR PERFORMANCE WARRANTY

15 Years product warranty on materials and workmanship

30 Years linear power output warranty



30 years decay ≤ **0.25%** annually on average

CERTIFICATES



IEC 61215 / IEC 61730

ELECTRICAL PARAMETERS @ STC

	630	635	640	645	650
Max. Power Output Pmax (W)	630	635	640	645	650
Power Tolerance	0~+3%	0~+3%	0~+3%	0~+3%	0~+3%
Max. Power Voltage Vmp (V)	37.70	37.76	37.81	37.87	37.93
Max. Power Current Imp (A)	16.71	16.82	16.92	17.03	17.14
Open Circuit Voltage Voc (V)	44.77	44.84	44.91	44.98	45.05
Short Circuit Current Isc (A)	17.59	17.70	17.79	17.90	18.01
Module Efficiency(%)	22.26	22.44	22.61	22.79	22.97

*STC (Standard Test Condition): Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5

*Measurement Tolerance (±3.0%)

ELECTRICAL PARAMETERS @ BNPI

	694	700	705	711	716
Max. Power Output Pmax (W)	694	700	705	711	716
Max. Power Voltage Vmp (V)	37.90	37.96	38.01	38.07	38.13
Max. Power Current Imp (A)	18.32	18.44	18.56	18.67	18.79
Open Circuit Voltage Voc (V)	44.97	45.04	45.11	45.18	45.25
Short Circuit Current Isc (A)	19.29	19.41	19.51	19.62	19.74

*BNPI (Bifacial Nameplate Irradiance): Front Side Irradiance 1000W/m², Rear Side Irradiance 135W/m², Cell Temperature 25°C, Air Mass 1.5

*Measurement Tolerance (±3.0%)

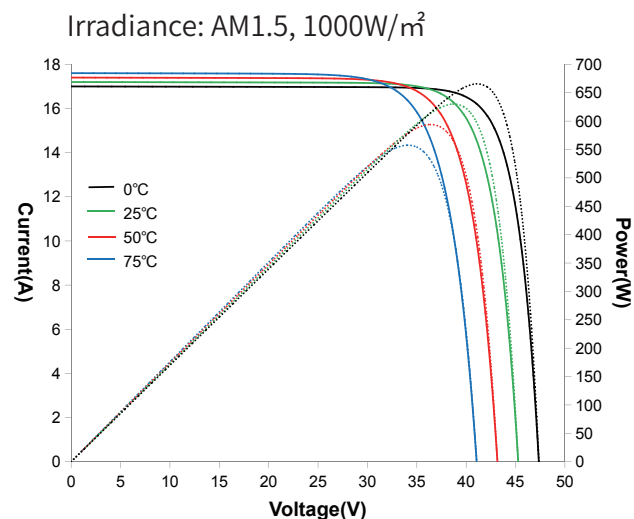
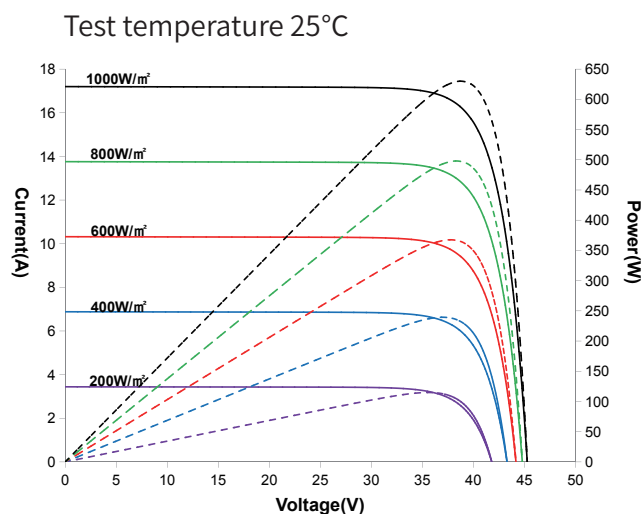
MECHANICAL PARAMETERS

Cell Type	HJT 210x105mm
Number of Cells	120pcs(6x20)
Dimensions(L*W*H)	2172x1303x33mm
Weight	34.9kg
Frame	Anodised Aluminum
Junction Box	IP68, 3 bypass diodes
Cable,Length	4.0mm ² , 300mm

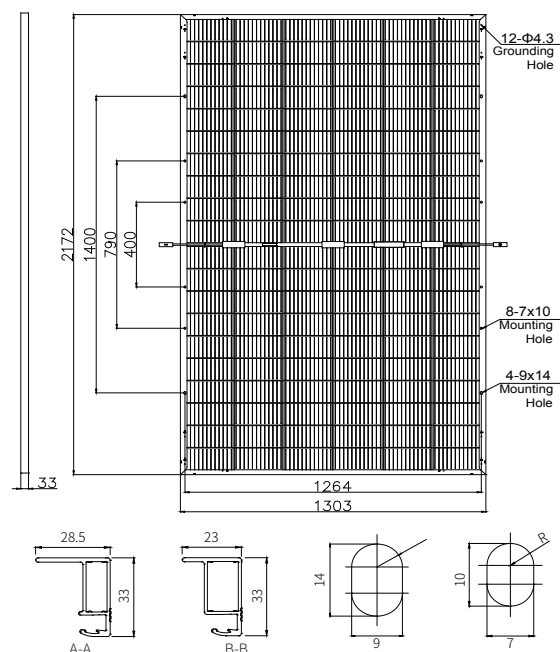
TEMPERATURE COEFFICIENTS

Temperature Coefficients of Pmp	-0.24%/äC
Temperature Coefficients of Voc	-0.22%/äC
Temperature Coefficients of Isc	+0.047%/äC

I-V CURVES



ASSEMBLY DRAWING (Unit:mm)



OPERATING CONDITION

Maximum System Voltage(V)	1500(DC)
Operating Temperature(°C)	-40~+85
Max.Wind Load /Snow Load(Pa)	2400/5400
Max.Series Fuse Rating(A)	35
Fire Rating	Class A
Bifaciality	90Á5%
NOCT	45ç

PACKAGE INFORMATION

Container 40'HQ	594pcs
Quantity / Pallet	33pcs
Size: 1310×1100×2302mm; Net weight: 1151.7kg; Gross weight: 1195.2kg	