

HYPRO 700 - 735W TH8G66M

Bifacial Dual Glass
0BB Half Cell N-type HJT

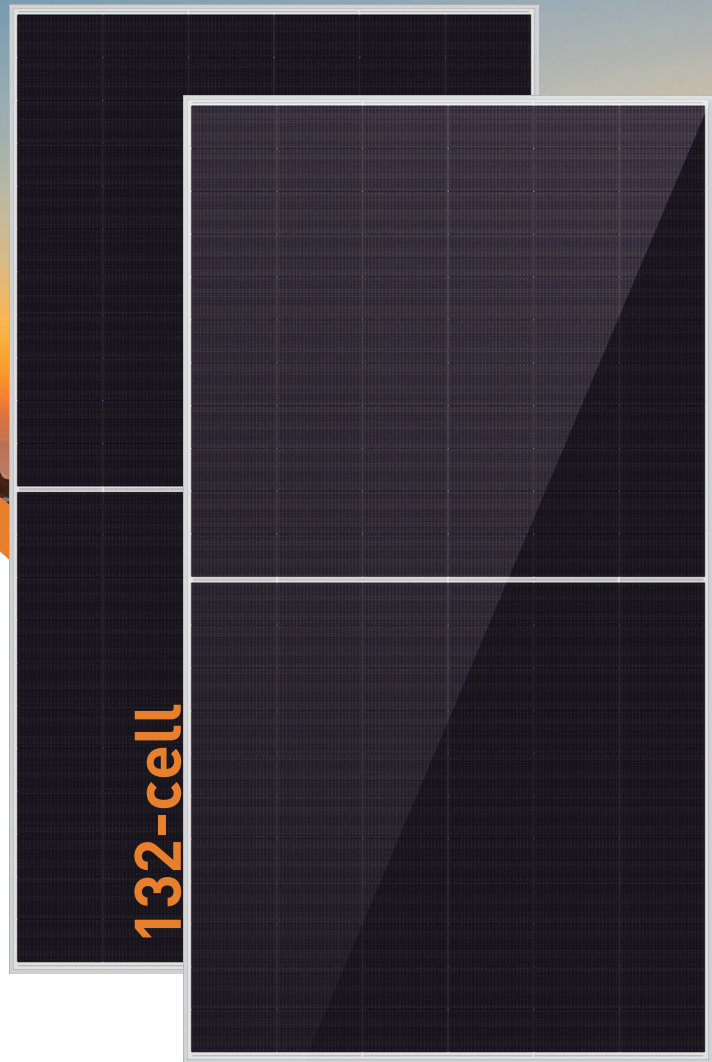
KEY FEATURES

- Better Shading Tolerance
- Ultra-High Bifacial Factor
- Ultra-High Power Generation
- Most Stable Power Temperature Coefficient
- Lead Technology of Metallization Process
- Excellent Anti-LID & Anti-PID Performance

SYSTEM & PRODUCT CERTIFICATES

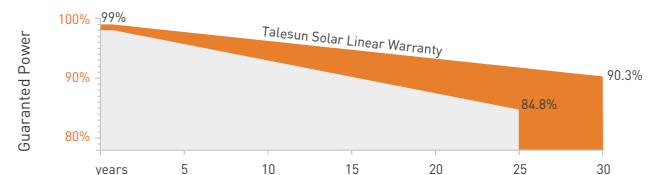
- IEC 61215 / IEC 61730 / UL 61730
- ISO 9001: 2015 Quality Management System
- ISO 14001: 2015 Environment Management System
- ISO 45001: 2018 Occupational Health and Safety
- Management Systems

N-Type HJT (Heterojunction Technology) is an advanced solar cell technology that combines N-type crystalline silicon with thin-film amorphous silicon layers. It delivers higher efficiency, improved performance at elevated temperatures, and minimal degradation throughout the module's service life. **0BB (Zero Busbar)** is a technology that eliminates traditional busbars on the front surface of solar cells, reducing shading losses, minimizing electrical resistance, and increasing overall energy generation efficiency. The combination of N-Type HJT and 0BB technologies provides maximum performance, enhanced reliability, and stable energy production for more than 30 years.



PERFORMANCE WARRANTY

Linear Performance Warranty Standard Performance Warranty



15 Years
Product Warranty

30 Years
Linear Power Warranty

1%
First-year Degradation

0.30 %
Annual Degradation 30 Years

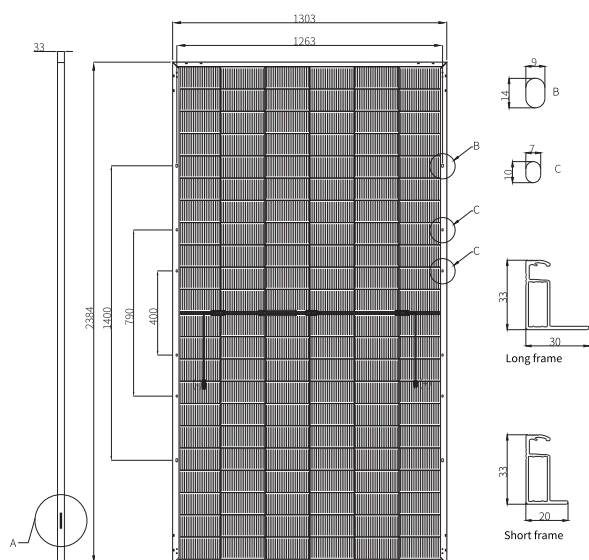
TALESUN-TH8G66M

132-Half-Cell Bifacial HJT Module

- BloombergNEF Tier 1 PV module manufacturer

Engineering Drawings

Unit: mm



Mechanical Characteristics

Cell Type	HJT
No. of Cells	132 (6x22)
Dimensions	2384x1303x33mm
Weight	37.9kg
Junction Box	IP68
Cable	4mm ² ; +350/-250mm or customized; UV resistant
Connector	MC4 / MC4-Evo2 / MC4-Evo2A / PV-H4 / Z4S-abcd / PV-ZH202B
Frame	Anodized aluminum alloy frame
Max Static Load (front side/rear side)	5400Pa / 2400Pa
Glass	Dual glass, 2.0mm

Electrical Characteristics

STC

TALESUN-TH3G66M	700	705	710	715	720	725	730	735
Maximum Power (Pmax/W)	700	705	710	715	720	725	730	735
Module Efficiency (%)	22.5	22.7	22.9	23.0	23.2	23.3	23.5	23.7
Voltage at Pmax (Vmp/V)	41.78	41.87	41.96	42.05	42.14	42.23	42.32	42.41
Current at Pmax (Imp/A)	16.76	16.84	16.93	17.02	17.10	17.18	17.26	17.34
Open Circuit Voltage (Voc/V)	49.77	49.87	49.97	50.07	50.17	50.27	50.37	50.47
Short Circuit Current (Isc/A)	17.81	17.90	17.99	18.08	18.17	18.26	18.35	18.44

STC: AM1.5, 1000W/m², 25°C.

BNPI

Maximum Power (Pmax/W)	785	790	796	801	807	813	818	824
Voltage at Pmax (Vmp/V)	41.92	42.02	42.11	42.20	42.29	42.38	42.47	42.56
Current at Pmax (Imp/A)	18.73	18.82	18.91	19.00	19.10	19.19	19.28	19.37
Open Circuit Voltage (Voc/V)	49.94	50.04	50.14	50.24	50.34	50.44	50.54	50.65
Short Circuit Current (Isc/A)	19.97	20.07	20.18	20.28	20.38	20.48	20.58	20.68

BNPI: AM1.5, 1000W/m², 135W/m², 25°C.

NOCT

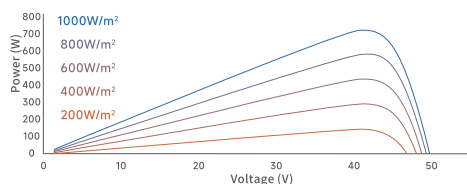
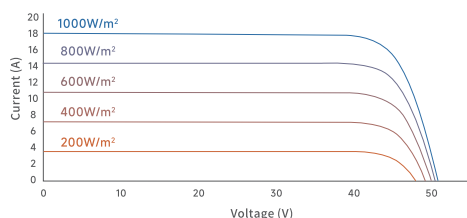
Maximum Power (Pmax/W)	534	538	542	545	549	553	557	561
Voltage at Pmax (Vmp/V)	39.90	40.00	40.07	40.14	40.23	40.32	40.41	40.50
Current at Pmax (Imp/A)	13.39	13.46	13.53	13.60	13.67	13.73	13.79	13.86
Open Circuit Voltage (Voc/V)	47.50	47.60	47.69	47.79	47.88	47.98	48.08	48.17
Short Circuit Current (Isc/A)	14.23	14.31	14.38	14.45	14.52	14.59	14.67	14.74

NOCT: AM1.5, 800W/m², 20°C, 1m/s.

Packaging

	40HQ
Modules Per Pallet	33
Pallets Per Container	18
Modules Per Container	594

I-V Curve (715W)



Temperature Coefficients

Temperature Coefficient of Pmax	-0.24%/ °C
Temperature Coefficient of Voc	-0.22%/ °C
Temperature Coefficient of Isc	+0.04%/ °C

Operating Conditions

Nominal Operating Cell Temp.	44±2°C
Operating Temperature	-40~+85°C
Maximum System Voltage	DC1500V
Maximum Series Fuse Rating	35A
Tolerance of Pmax	0~+3%
Power Selection	0~+5W
Bifaciality	90±5%
Safety Class	Class II



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