

Himalaya G12 Series 700-730W

132-cell Bifacial HJT Half-cell
Double-glass Solar Module



HJT-0BB Technology

Shorter current transport path, better low-light performance, and higher power generation.



Sealing with PIB

Stronger moisture resistance, greater air impermeability to extent module lifespan.



High Mechanical Load

The front can withstand a load up to 7000Pa, suitable for high snow and high wind load scenarios.



Suitable for Distribution Scenarios

High power density, optimized for space efficiency.



Complete System and Product Certifications:

IEC61215, IEC61730

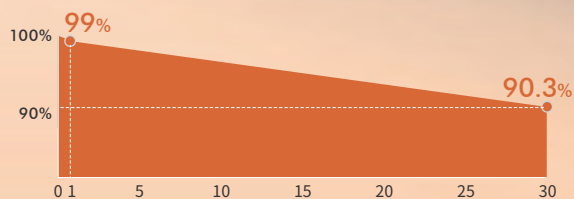
ISO9001: 2015 Quality Management System

ISO14001: 2015 Environment Management System

ISO45001: 2018 Occupational Health and Safety

IEC62941: 2019 Terrestrial Photovoltaic (PV) Modules-quality System for PV Module Manufacturing

IEC/TS62994: 2019 Photovoltaic (PV) Modules Through the Life Cycle-environmental Health and Safety (EH&S) Risk Assessment-general Principles and Nomenclature



* First year power degradation $\leq 1\%$
 * Annual power degradation (2-30 year) $\leq 0.3\%$
 * Power output until the 30th year $\geq 90.3\%$

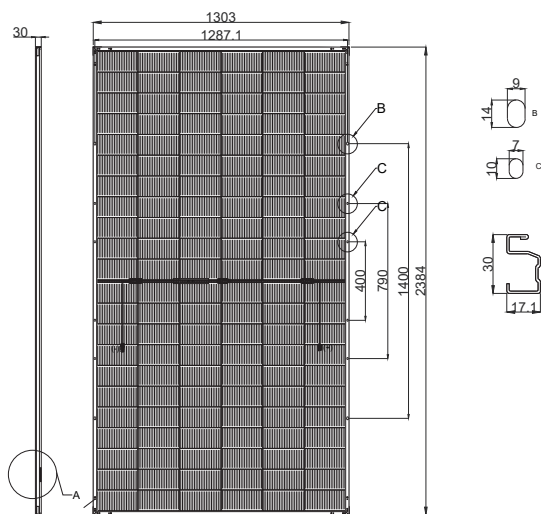
HSN-210-B132 700-730W

132-cell Bifacial HJT Solar Half Cell Module

- BloombergNEF Tier 1 PV module manufacturer
- Reinsurance underwritten by Ariel Re

Engineering Drawings

Unit: mm



Mechanical Characteristics

Cell Type	HJT
No. of Cells	132 (6x22)
Dimensions	2384x1303x30mm
Weight	39.9kg
Junction Box	IP68
Cable	4mm ² ; +350/-250mm or customized; UV resistant
Connector	PV-H1 / MC4-Evo 2 / Others
Frame	Alloy steel frame
Max Static Load (front side/rear side)	7000Pa / 3000Pa
Glass	Dual glass, 2.0mm

Electrical Characteristics

STC

HSN-210-B132	DSN700	DSN705	DSN710	DSN715	DSN720	DSN725	DSN730
Maximum Power (P _{max} /W)	700	705	710	715	720	725	730
Module Efficiency (%)	22.5	22.7	22.9	23.0	23.2	23.3	23.5
Voltage at P _{max} (V _{mp} /V)	41.78	41.87	41.96	42.05	42.14	42.23	42.32
Current at P _{max} (I _{mp} /A)	16.76	16.84	16.93	17.02	17.10	17.18	17.26
Open Circuit Voltage (V _{oc} /V)	49.77	49.87	49.97	50.07	50.17	50.27	50.37
Short Circuit Current (I _{sc} /A)	17.81	17.90	17.99	18.08	18.17	18.26	18.35

STC: AM1.5, 1000W/m², 25°C.

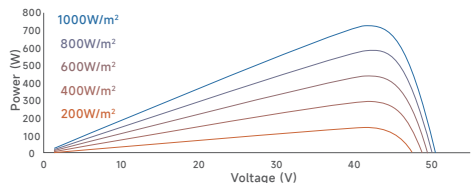
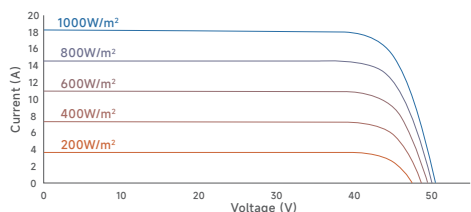
BNPI

Maximum Power (P _{max} /W)	770	776	781	787	792	798	803
Voltage at P _{max} (V _{mp} /V)	41.92	42.02	42.11	42.20	42.29	42.38	42.47
Current at P _{max} (I _{mp} /A)	18.39	18.48	18.57	18.66	18.75	18.84	18.93
Open Circuit Voltage (V _{oc} /V)	49.94	50.04	50.14	50.24	50.34	50.44	50.54
Short Circuit Current (I _{sc} /A)	19.61	19.71	19.81	19.91	20.01	20.11	20.21

BNPI: AM1.5, 1000W/m², 135W/m², 25°C.

I-V Curve

(HSN-210-B132DSN730)



Temperature Characteristics

Temperature Coefficient of P _{max}	-0.24%/°C
Temperature Coefficient of V _{oc}	-0.22%/°C
Temperature Coefficient of I _{sc}	+0.04%/°C

Operating Conditions

Nominal Operating Cell Temp.	44±2°C
Operating Temperature	-40~+70°C
Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	35A
Tolerance of P _{max}	0~+3%
Power Selection	0~+5W
Bifaciality	75±5%
Safety Class	Class II

NOCT

Maximum Power (P _{max} /W)	534	538	542	545	549	553	557
Voltage at P _{max} (V _{mp} /V)	39.90	40.00	40.07	40.14	40.23	40.32	40.41
Current at P _{max} (I _{mp} /A)	13.39	13.46	13.53	13.60	13.67	13.73	13.79
Open Circuit Voltage (V _{oc} /V)	47.50	47.60	47.69	47.79	47.88	47.98	48.08
Short Circuit Current (I _{sc} /A)	14.23	14.31	14.38	14.45	14.52	14.59	14.67

NOCT: AM1.5, 800W/m², 20°C, 1m/s.

Packaging

	40'HQ
Modules Per Pallet	35
Pallets Per Container	16
Modules Per Container	560



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