

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 extend module lifespan.

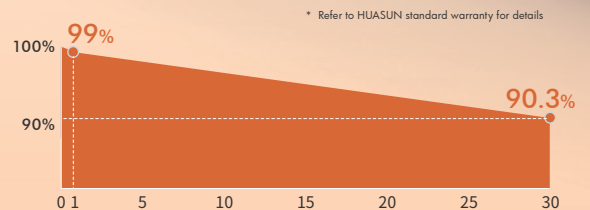


Suitable for Utility Project
Lower BOS cost, lower LCOE



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



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

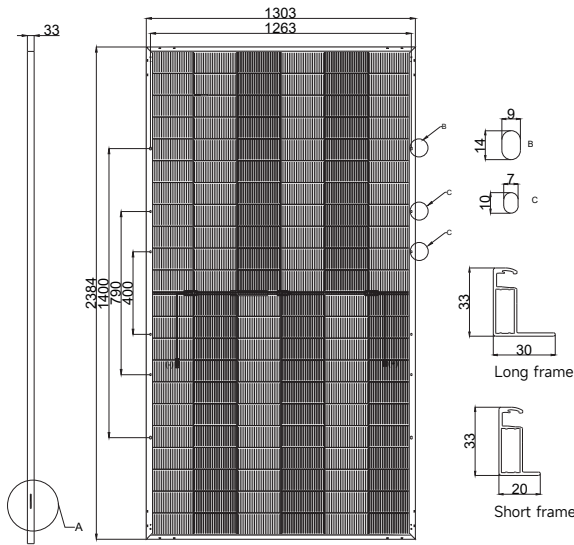
HSN-210-B132 700-730W

132-Half-Cell Bifacial HJT 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	2384 x 1303 x 33 mm
Weight	37.9 kg
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

HSN-210-B132	DS700	DS705	DS710	DS715	DS720	DS725	DS730
Maximum Power (Pmax/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 Pmax (Vmp/V)	41.78	41.87	41.96	42.05	42.14	42.23	42.32
Current at Pmax (Imp/A)	16.76	16.84	16.93	17.02	17.10	17.18	17.26
Open Circuit Voltage (Voc/V)	49.77	49.87	49.97	50.07	50.17	50.27	50.37
Short Circuit Current (Isc/A)	17.81	17.90	17.99	18.08	18.17	18.26	18.35

STC: AM1.5, 1000W/m², 25°C.

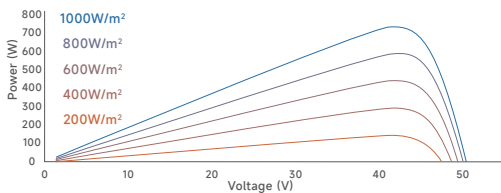
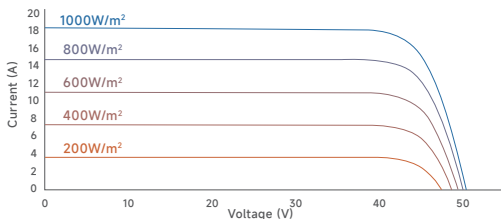
BNPI

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

BNPI: AM1.5, 1000W/m², 135W/m², 25°C.

I-V Curve

(HSN-210-B132DS730)



Temperature Characteristics

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 (IEC)
Maximum Series Fuse Rating	35A
Tolerance of Pmax	0~+3%
Power Selection	0~+5W
Bifaciality	90±5%
Safety Class	Class II

NOCT

Maximum Power (Pmax/W)	534	538	542	545	549	553	557
Voltage at Pmax (Vmp/V)	39.90	40.00	40.07	40.14	40.23	40.32	40.41
Current at Pmax (Imp/A)	13.39	13.46	13.53	13.60	13.67	13.73	13.79
Open Circuit Voltage (Voc/V)	47.50	47.60	47.69	47.79	47.88	47.98	48.08
Short Circuit Current (Isc/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	33
Pallets Per Container	18
Modules Per Container	594



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