



Himalaya series V-ocean

705-740W

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



HJT Technology

Combining gettering process and $\mu\text{c-Si}$ technology to ensure higher cell efficiency and higher module power



Great UV resistance

Light conversion film adopted, enhancing reliability against marine harsh environment



Super-strong watertightness

Higher water resistance via double-layer coated glass, PIB all-around sealing, Evo2 original connector



Great resistibility against salt-mist

Passed the IEC61701 salt mist corrosion test (level 8) using thicker anodized aluminum alloy frame



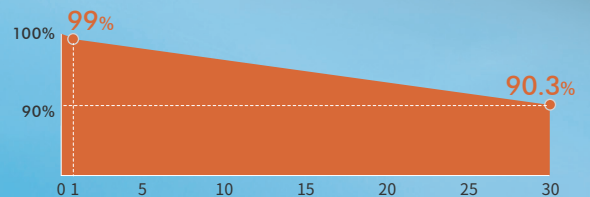
Stronger wind load capacity

Strengthened frames guaranteeing modules passed 6-time IEC dynamic load test



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



* Less than 1% attenuation in the 1st year, the annual degradation from the 2nd year is no more than 0.3%, and the power is no less than 90.3% until the 30th year.

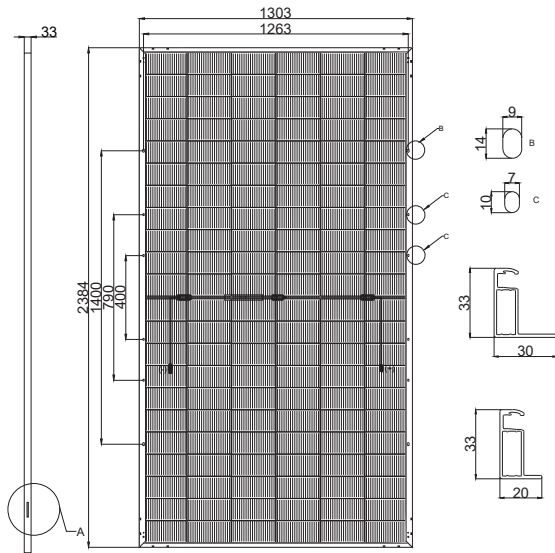
HS-210-B132 705-740W

132-cell Bifacial HJT Solar Half Cell Module

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

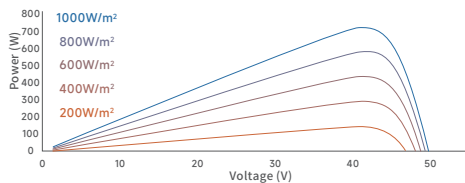
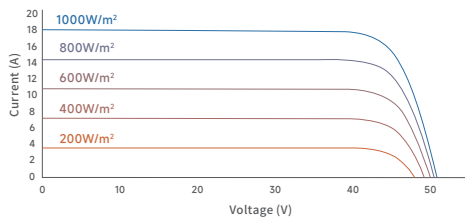
Engineering Drawings

Unit: mm



I-V Curve

(HS-210-B132DS715)



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

Mechanical Characteristics

Cell Type	HJT
No. of Cells	132 (6x22)
Dimensions	2384 x 1303 x 33 mm
Weight	37.9kg
Junction Box	IP68
Cable	4mm ² ; +350/-250mm or customized; UV resistant
Connector	MC4-Evo2 / MC4-Evo2A
Frame	Aluminum alloy frame
Max Static Load (front side/rear side)	5400Pa / 2400Pa
Glass	Dual glass, 2.0mm

Electrical Characteristics

STC

HS-210-B132	DS705	DS710	DS715	DS720	DS725	DS730	DS735	DS740
Maximum Power (Pmax/W)	705	710	715	720	725	730	735	740
Module Efficiency (%)	22.7	22.9	23.0	23.2	23.3	23.5	23.7	23.8
Maximum Power Voltage (Vmp/V)	41.87	41.96	42.05	42.14	42.23	42.32	42.41	42.50
Maximum Power Current (Imp/A)	16.84	16.93	17.02	17.10	17.18	17.26	17.34	17.42
Open Circuit Voltage (Voc/V)	49.87	49.97	50.07	50.17	50.27	50.37	50.47	50.57
Short Circuit Current (Isc/A)	17.90	17.99	18.08	18.17	18.26	18.35	18.44	18.53

STC: AM1.5, 1000W/m², 25°C.

BNPI

Maximum Power (Pmax/W)	790	796	801	807	813	818	824	829
Maximum Power Voltage (Vmp/V)	42.02	42.11	42.20	42.29	42.38	42.47	42.56	42.65
Maximum Power Current (Imp/A)	18.82	18.91	19.00	19.10	19.19	19.28	19.37	19.46
Open Circuit Voltage (Voc/V)	50.04	50.14	50.24	50.34	50.44	50.54	50.65	50.75
Short Circuit Current (Isc/A)	20.07	20.18	20.28	20.38	20.48	20.58	20.68	20.78

BSTC: AM1.5, 1000W/m², 135W/m², 25°C.

NOCT

Maximum Power (Pmax/W)	538	542	545	549	553	557	561	565
Maximum Power Voltage (Vmp/V)	40.00	40.07	40.14	40.23	40.32	40.41	40.50	40.58
Maximum Power Current (Imp/A)	13.46	13.53	13.60	13.67	13.73	13.79	13.86	13.92
Open Circuit Voltage (Voc/V)	47.60	47.69	47.79	47.88	47.98	48.08	48.17	48.27
Short Circuit Current (Isc/A)	14.31	14.38	14.45	14.52	14.59	14.67	14.74	14.81

NOCT: AM1.5, 800W/m², 20°C, 1m/s.

Packaging

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



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