

Himalaya G12 Series 700-735W

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



OBB Technology

Shorter current transmission distance, less resistive loss and higher cell efficiency, more sophisticated look.



HJT Technology

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



Up to 95% Bifaciality

Natural symmetrical bifacial structure bringing more energy yield from the backside.



Sealing with PIB

Integrated coating frames ensuring modules passing the IEC salt-mist test level 8



Suitable for Utility project

Lower BOS cost, lower LCOE



WARRANTY

Product
Warranty **15**
years

Linear
Power
Warranty **30**
years

Complete System and Product Certifications:

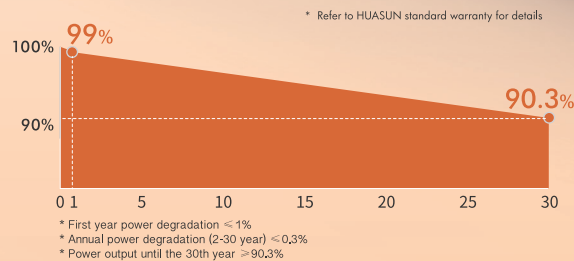
IEC61215, IEC61730

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



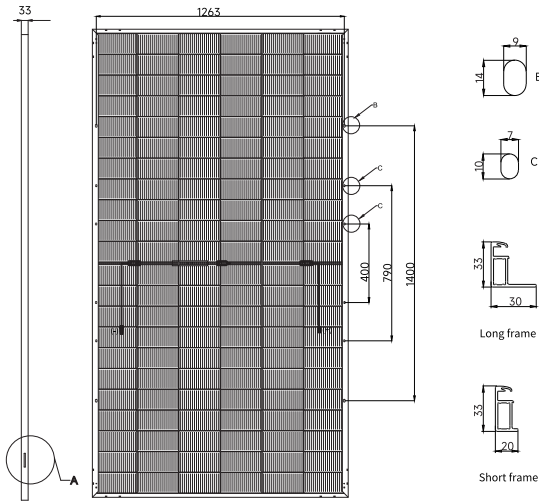
HSN-210-B132 700-735W

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	37.9kg
Junction Box	IP68
Cable	4mm ² ; +350/-250mm or customized; UV resistant
Connector	MC4 / MC4-Evo2A / PV-H4 / Z4S-abcd / ST4
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	DS735
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
Maximum Power Voltage (Vmp/V)	41.78	41.87	41.96	42.05	42.14	42.23	42.32	42.41
Maximum Power Current (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.

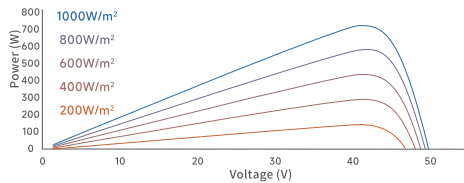
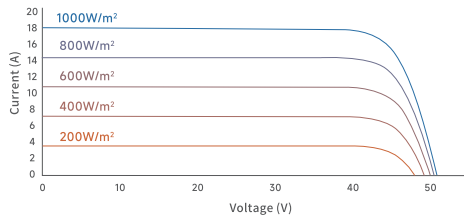
BSTC

Maximum Power (Pmax/W)	785	790	796	801	807	813	818	824
Maximum Power Voltage (Vmp/V)	41.92	42.02	42.11	42.20	42.29	42.38	42.47	42.56
Maximum Power Current (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

BSTC: AM1.5, 1000W/m², 135W/m², 25°C.

I-V Curve

(HSN-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

NOCT

Maximum Power (Pmax/W)	534	538	542	545	549	553	557	561
Maximum Power Voltage (Vmp/V)	39.90	40.00	40.07	40.14	40.23	40.32	40.41	40.50
Maximum Power Current (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

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Everest G12R Series 600-635W

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

Efficiency
up to
23.5%



OBB Technology

Shorter current transmission distance, less resistive loss and higher cell efficiency, more sophisticated look.



HJT Technology

Combining gettering process and double-sided $\mu\text{-Si}$ to improve cell efficiency and module power.



Up to 95% Bifaciality

Natural symmetrical bifacial structure bringing more energy yield from the backside.



Sealing with PIB

Stronger water resistance, greater air impermeability to extend module lifespan.



Suitable for Utility project

Lower BOS cost, lower LCOE.



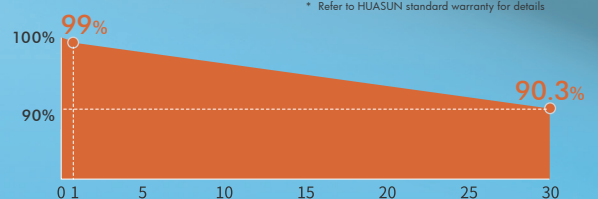
WARRANTY

Product
Warranty **15**
years

Power
Warranty **30**
years

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



* Refer to HUASUN standard warranty for details

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



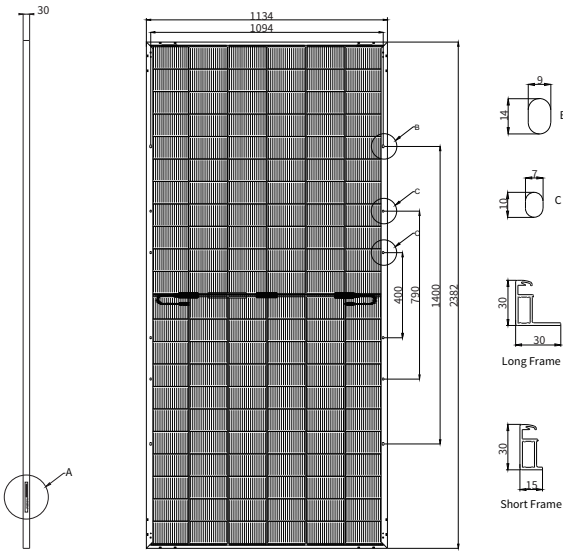
HSN-210R-B132 600-635W

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	2382 x 1134 x 30 mm
Weight	32.6kg
Junction Box	IP68
Cable	4mm ² ; +350/-250mm or customized; UV resistant
Connector	MC4 / MC4-Evo2A / PV-H4 / Z4S-abcd / ST4
Frame	Anodized aluminum alloy frame
Max Static Load (front side/rear side)	5400Pa / 2400Pa
Glass	Dual glass, 2.0mm

Electrical Characteristics

STC

HSN-210R-B132	DS600	DS605	DS610	DS615	DS620	DS625	DS630	DS635
Maximum Power (Pmax/W)	600	605	610	615	620	625	630	635
Module Efficiency (%)	22.2	22.4	22.6	22.8	23.0	23.1	23.3	23.5
Voltage at Pmax (Vmp/V)	40.69	40.78	40.85	40.96	41.05	41.14	41.23	41.32
Current at Pmax (Imp/A)	14.76	14.85	14.95	15.03	15.12	15.21	15.30	15.39
Open Circuit Voltage (Voc/V)	48.75	48.85	48.94	49.05	49.15	49.25	49.34	49.43
Short Circuit Current (Isc/A)	15.56	15.66	15.76	15.86	15.96	16.06	16.16	16.26

STC: AM1.5, 1000W/m², 25°C.

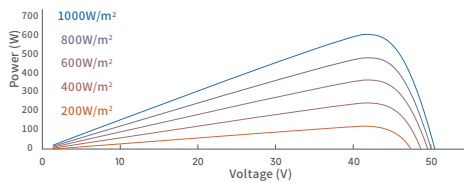
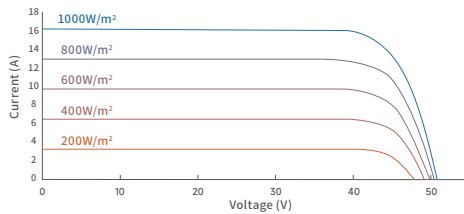
BSTC

HSN-210R-B132	DS600	DS605	DS610	DS615	DS620	DS625	DS630	DS635
Maximum Power (Pmax/W)	672	678	684	689	695	700	706	712
Voltage at Pmax (Vmp/V)	40.83	40.92	40.99	41.10	41.19	41.28	41.37	41.46
Current at Pmax (Imp/A)	16.48	16.58	16.69	16.78	16.88	16.98	17.08	17.18
Open Circuit Voltage (Voc/V)	48.92	49.02	49.11	49.22	49.32	49.42	49.51	49.60
Short Circuit Current (Isc/A)	17.45	17.56	17.67	17.79	17.90	18.01	18.12	18.24

BSTC: AM1.5, 1000W/m², 135W/m², 25°C.

I-V Curve

(HSN-210R-B132DS620)



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	30A
Tolerance of Pmax	0~+3%
Power Selection	0~+5W
Bifaciality	90±5%
Safety Class	Class II

NOCT

HSN-210R-B132	DS600	DS605	DS610	DS615	DS620	DS625	DS630	DS635
Maximum Power (Pmax/W)	458	461	465	469	473	477	481	484
Voltage at Pmax (Vmp/V)	38.84	38.92	38.98	39.09	39.18	39.26	39.34	39.42
Current at Pmax (Imp/A)	11.80	11.87	11.95	12.01	12.08	12.16	12.23	12.30
Open Circuit Voltage (Voc/V)	46.53	46.62	46.71	46.82	46.91	47.01	47.09	47.18
Short Circuit Current (Isc/A)	12.44	12.52	12.60	12.68	12.76	12.84	12.92	13.00

NOCT: AM1.5, 800W/m², 20°C, 1m/s.

Packaging

Modules Per Pallet	40HQ
Pallets Per Container	36
Modules Per Container	20
	720



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