

Himalaya G12 Series 700-735W

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



HJT Technology

Combining gettering process and μ -Si technology to ensure higher cell efficiency and higher module power.



Sealing with PIB

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



Up to 95% Bifaciality

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



Suitable for Utility Project

Lower BOS cost, lower LCOE.



Complete System and Product Certifications:

IEC61215, IEC61730

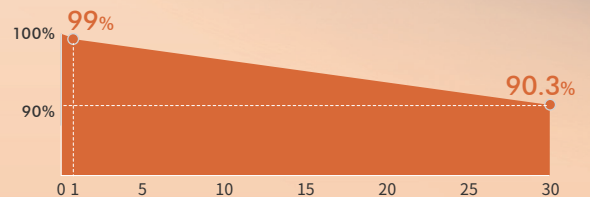
ISO9001: 2015 Quality Management System

ISO14001: 2015 Environment Management System

ISO45001: 2018 Occupational Health and Safety

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

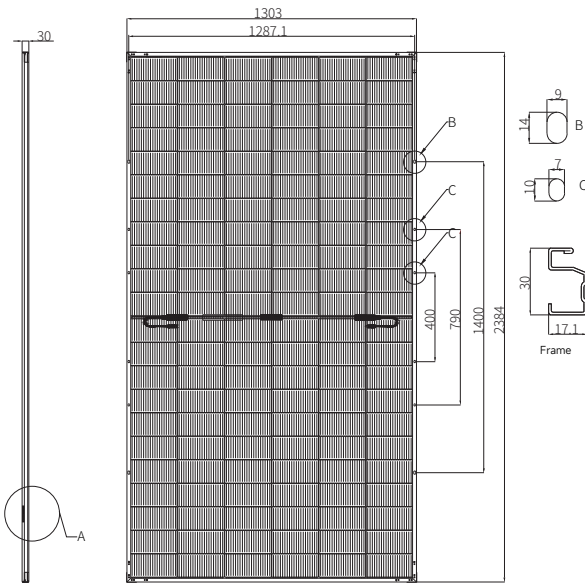
IEC/TS62994: 2019 Photovoltaic (PV) Modules Through the Life Cycle-environmental Health and Safety (EH&S) Risk Assessment-general Principles and Nomenclature



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

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	MC4 / MC4-Evo2 / MC4-Evo2A / PV-H4 / Z4S-abcd / PV-ZH202B
Frame	Alloy steel frame
Max Static Load (front side/rear side)	7000Pa / 3000Pa
Glass	Dual glass, 2.0mm

Electrical Characteristics

STC

HS-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
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.

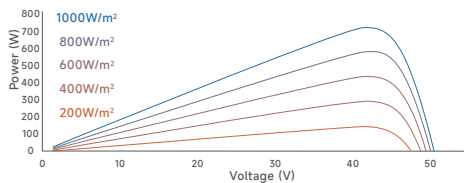
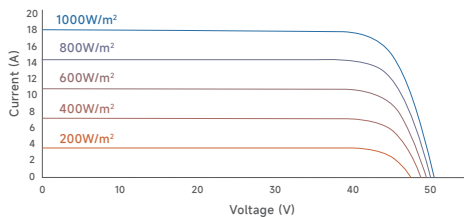
BNPI

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.

I-V Curve

(HS-210-B132DS735)



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
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

	40'HQ
Modules Per Pallet	34
Pallets Per Container	16
Modules Per Container	544



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