HUASUN | HETEROJUNCTION TECHNOLOGY

Classic

Himalaya G12 Series

675-695W

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

Efficiency up to 22.4%

HJT Technology
Combining gettering process and μc-Si technology to ensure higher cell efficiency and higher module

Up to 95% Bifaciality
Natural symmetrical bifacial structure bringing more energy yield from the backside.

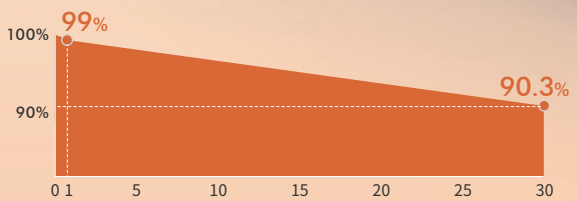
Sealing with PIB
Stronger moistance resistance, greater air impermeability to extent module lifespan.

Suitable for Utility Project
Lower BOS cost, lower LCOE

15 YEARS PRODUCT WARRANTY | 30 YEARS LINEAR WARRANTY

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 modulemanufacturing



* First year power degradation ≤ 1%
* Annual power degradation (2-30 year) ≤ 0.3%
* Power output until the 30th year ≥ 90.3%

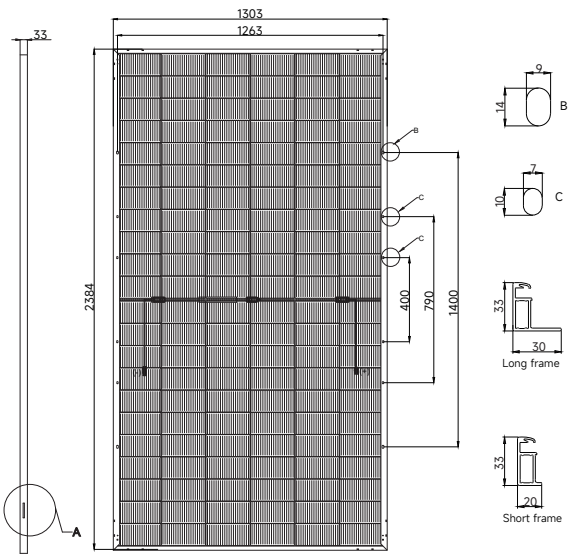
HS-210-B132 675-695W

132-Half-Cell Bifacial HJT Module

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

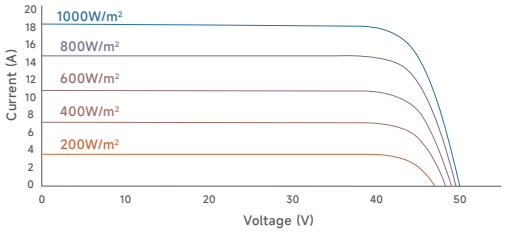
Engineering Drawings

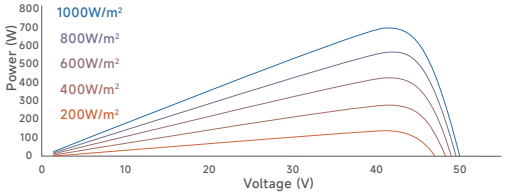
Unit: mm



I-V Curve

(HS-210-B132DS695)





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	37.9 kg
Junction Box	IP68
Cable	4mm²; +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

HS-210-B132	DS675	DS680	DS685	DS690	DS695
Maximum Power (Pmax/W)	675	680	685	690	695
Module Efficiency (%)	21.7	21.9	22.1	22.2	22.4
Voltage at Pmax (Vmp/V)	41.33	41.42	41.51	41.60	41.69
Current at Pmax (Imp/A)	16.34	16.42	16.51	16.59	16.68
Open Circuit Voltage (Voc/V)	49.27	49.37	49.47	49.57	49.67
Short Circuit Current (Isc/A)	17.36	17.45	17.54	17.63	17.72

STC: AM1.5, 1000W/m², 25℃.

BNPI

Maximum Power (Pmax/W)	757	762	768	773	779
Voltage at Pmax (Vmp/V)	41.47	41.56	41.65	41.74	41.83
Current at Pmax (Imp/A)	18.25	18.35	18.44	18.54	18.63
Open Circuit Voltage (Voc/V)	49.44	49.54	49.64	49.74	49.84
Short Circuit Current (Isc/A)	19.47	19.57	19.67	19.77	19.87

BNPI: AM1.5, 1000W/m², 135W/m², 25℃.

NOCT

Maximum Power (Pmax/W)	515	519	523	526	530
Voltage at Pmax (Vmp/V)	39.47	39.57	39.64	39.74	39.81
Current at Pmax (Imp/A)	13.06	13.12	13.20	13.26	13.33
Open Circuit Voltage (Voc/V)	47.03	47.12	47.22	47.31	47.41
Short Circuit Current (Isc/A)	13.87	13.95	14.02	14.09	14.16

NOCT: AM1.5, 800W/m², 20℃, 1m/s.

Packaging

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

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