

# Himalaya G12 Series 675-695W

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



### HJT Technology

Combining gettering process and  $\mu$ -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 moisture resistance, greater air impermeability to extend module lifespan.



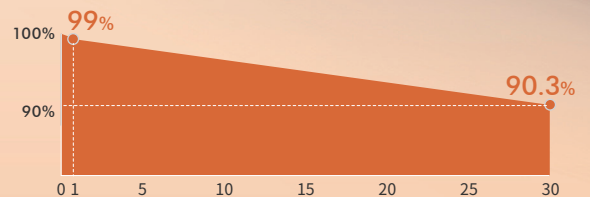
### Suitable for Utility Project

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  $\geq 90.3\%$

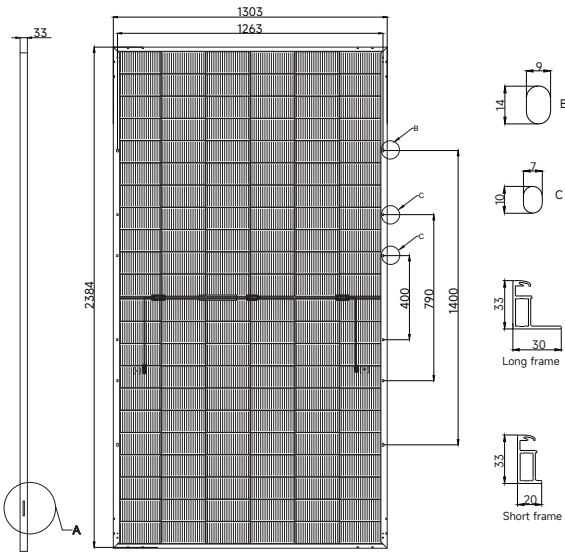
# HS-210-B132 675-695W

132-Half-Cell Bifacial HJT Module

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

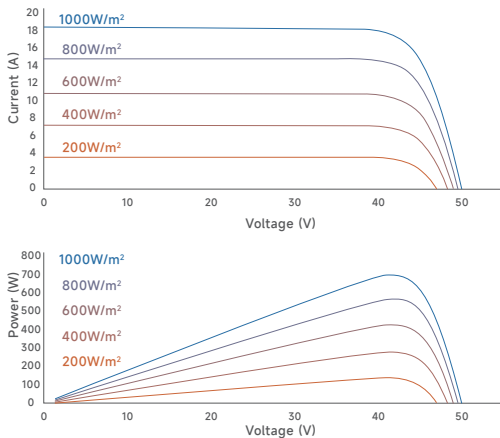
## Engineering Drawings

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	4mm <sup>2</sup> ; +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/m<sup>2</sup>, 25°C.

### BNPI

HS-210-B132	DS675	DS680	DS685	DS690	DS695
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/m<sup>2</sup>, 135W/m<sup>2</sup>, 25°C.

### NOCT

HS-210-B132	DS675	DS680	DS685	DS690	DS695
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/m<sup>2</sup>, 20°C, 1m/s.

## Packaging

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