

# Everest G12R Series *Anti-Glare* 585-615W

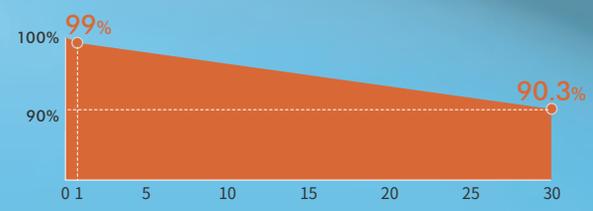
**132-cell** Bifacial HJT Half Cell  
Double-glass Solar Module

- HJT-0BB Technology**  
 Shorter current transport path, better low-light performance, and higher power generation.
- Sealing with PIB**  
 Stronger moisture resistance, greater air impermeability to extend module lifespan.
- Anti-Glare**  
 Compliant with ISO 2813 and ISO 9050 standards, suitable for scenarios including highways, railways, waterways, airports and their surrounding areas.



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 < 1%  
 \* Annual power degradation (2-30 year) < 0.3%  
 \* Power output until the 30th year >= 90.3%

# HSN-210R-B132

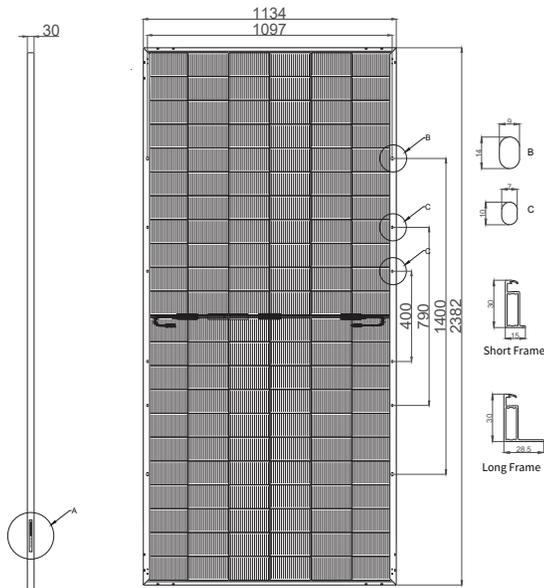
132-Half-Cell Bifacial HJT Module

585-615W

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

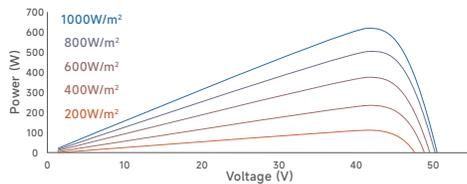
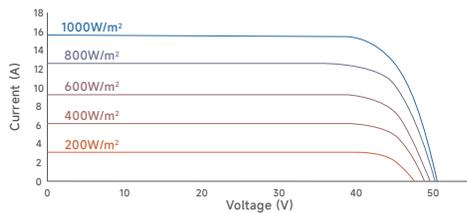
## Engineering Drawings

Unit: mm



## I-V Curve

(HSN-210R-B132DSG615)



## Mechanical Characteristics

Cell Type	HJT
No. of Cells	132 (6x22)
Dimensions	2382 x 1134 x 30 mm
Weight	32.3 kg
Junction Box	IP68
Cable	4mm <sup>2</sup> ; +350/-250mm or customized; UV resistant
Connector	PV-H1 / MC4-Evo 2 / Others
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	DSG585	DSG590	DSG595	DSG600	DSG605	DSG610	DSG615
Maximum Power (Pmax/W)	585	590	595	600	605	610	615
Module Efficiency (%)	21.7	21.8	22.0	22.2	22.4	22.6	22.8
Voltage at Pmax (Vmp/V)	41.95	42.03	42.12	42.20	42.28	42.37	42.45
Current at Pmax (Imp/A)	13.95	14.04	14.13	14.22	14.31	14.40	14.49
Open Circuit Voltage (Voc/V)	49.94	50.04	50.14	50.24	50.34	50.44	50.54
Short Circuit Current (Isc/A)	14.84	14.94	15.03	15.13	15.23	15.32	15.41

STC: AM1.5, 1000W/m<sup>2</sup>, 25°C.

### BNPI

Maximum Power (Pmax/W)	656	662	667	673	679	684	690
Voltage at Pmax (Vmp/V)	42.09	42.18	42.26	42.35	42.43	42.51	42.60
Current at Pmax (Imp/A)	15.59	15.69	15.79	15.89	15.99	16.09	16.19
Open Circuit Voltage (Voc/V)	50.11	50.21	50.31	50.41	50.51	50.61	50.71
Short Circuit Current (Isc/A)	16.64	16.75	16.86	16.97	17.08	17.18	17.29

BNPI: AM1.5, 1000W/m<sup>2</sup>, 135W/m<sup>2</sup>, 25°C.

## 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

Maximum Power (Pmax/W)	447	450	454	458	462	466	470
Voltage at Pmax (Vmp/V)	40.07	40.15	40.23	40.31	40.39	40.48	40.55
Current at Pmax (Imp/A)	11.15	11.22	11.29	11.37	11.44	11.51	11.58
Open Circuit Voltage (Voc/V)	47.66	47.76	47.85	47.95	48.04	48.14	48.24
Short Circuit Current (Isc/A)	11.86	11.94	12.01	12.09	12.17	12.24	12.32

NOCT: AM1.5, 800W/m<sup>2</sup>, 20°C, 1m/s.

## Packaging

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



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