

Everest G12R Series *Anti-dust* 600-630W

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 extent module lifespan.



Ideal choice for distributed rooftop and Low-Inclination Ground Scenarios

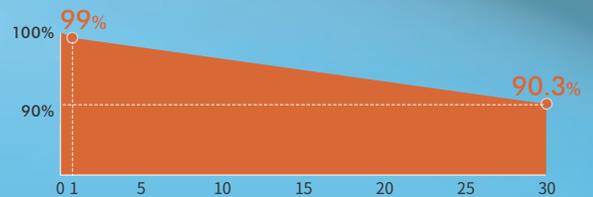
Unique frame design effectively reduces dust accumulation on the modules, increasing power generation.

Patent number: ZL 2024 2 1065153.X



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 $\geq 90.3\%$

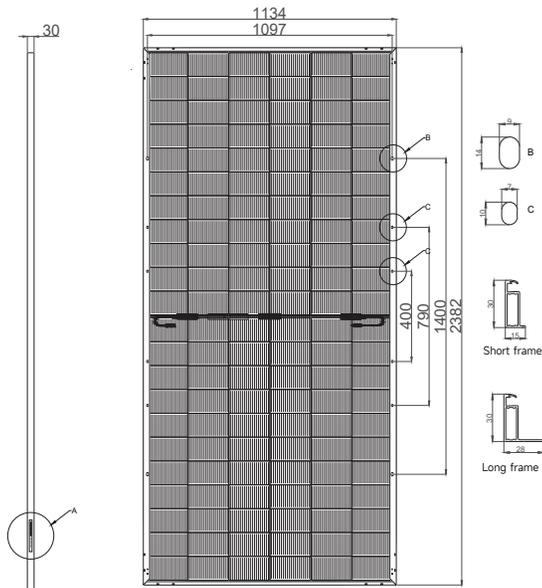
HSN-210R-B132 600-630W

132-Half-Cell Bifacial HJT Module

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

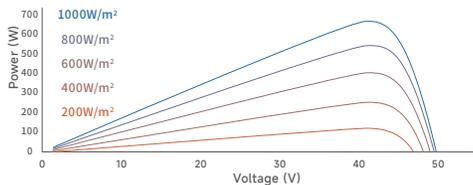
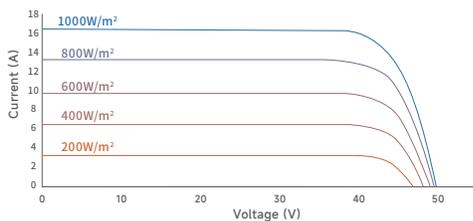
Engineering Drawings

Unit: mm



I-V Curve

(HSN-210R-B132DS630)



Mechanical Characteristics

Cell Type	HJT
No. of Cells	132 (6x22)
Dimensions	2382 x 1134 x 30 mm
Weight	31.6 kg
Junction Box	IP68
Cable	4mm ² ; +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	DS600	DS605	DS610	DS615	DS620	DS625	DS630
Maximum Power (Pmax/W)	600	605	610	615	620	625	630
Module Efficiency (%)	22.2	22.4	22.6	22.8	23.0	23.1	23.3
Voltage at Pmax (Vmp/V)	40.69	40.78	40.85	40.96	41.05	41.14	41.23
Current at Pmax (Imp/A)	14.76	14.85	14.95	15.03	15.12	15.21	15.30
Open Circuit Voltage (Voc/V)	48.75	48.85	48.94	49.05	49.15	49.25	49.34
Short Circuit Current (Isc/A)	15.56	15.66	15.76	15.86	15.96	16.06	16.16

STC: AM1.5, 1000W/m², 25°C.

BNPI

Maximum Power (Pmax/W)	660	666	671	677	682	688	693
Voltage at Pmax (Vmp/V)	40.83	40.92	40.99	41.10	41.19	41.28	41.37
Current at Pmax (Imp/A)	16.18	16.28	16.39	16.48	16.58	16.67	16.77
Open Circuit Voltage (Voc/V)	48.92	49.02	49.11	49.22	49.32	49.42	49.51
Short Circuit Current (Isc/A)	17.14	17.25	17.36	17.47	17.58	17.69	17.80

BNPI: AM1.5, 1000W/m², 135W/m², 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	75±5%
Safety Class	Class II

NOCT

Maximum Power (Pmax/W)	458	461	465	469	473	477	481
Voltage at Pmax (Vmp/V)	38.84	38.92	38.98	39.09	39.18	39.26	39.34
Current at Pmax (Imp/A)	11.80	11.87	11.95	12.01	12.08	12.16	12.23
Open Circuit Voltage (Voc/V)	46.53	46.62	46.71	46.82	46.91	47.01	47.09
Short Circuit Current (Isc/A)	12.44	12.52	12.60	12.68	12.76	12.84	12.92

NOCT: AM1.5, 800W/m², 20°C, 1m/s.

Packaging

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



ANHUI HUASUN ENERGY CO., LTD. All rights reserved © 2020-2025

NO.99 Qingliu Road, Economic and Technological Development Zone, Xuancheng, Anhui, China
 Tel: 0086-563-3318095 www.huasunsolar.com
 sales@huasunsolar.com customerservice@huasunsolar.com

With the development of technology and the iterative updating of products, the technical specification of products released by HUASUN in the future may differ from those listed in this datasheet. HUASUN reserves the right to change the technical specification of the products at any time without prior notice, and the technical specification of the products ordered by the customers are subject to the technical specification agreed upon in the legally binding contract signed by both parties. The final interpretation of the datasheet is reserved by HUASUN.

2.0_20250814