

Everest G12R Series 505-530W

108-cell HJT Half-cell 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 Rooftop Photovoltaic Systems

All black aesthetic appearance, suitable for residential, industrial and commercial rooftop projects.

Aesthetic Black

For reference only



Complete System and Product Certifications:

IEC61215, IEC61730

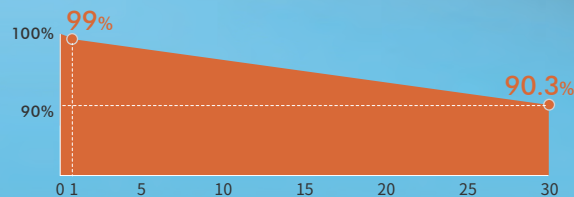
ISO9001: 2015 Quality Management System

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-S108

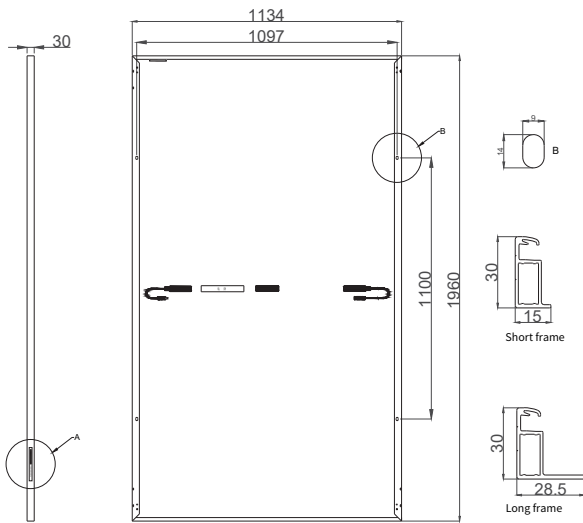
505-530W

108-Half-Cell HJT Module

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

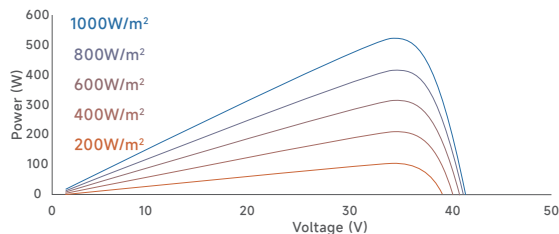
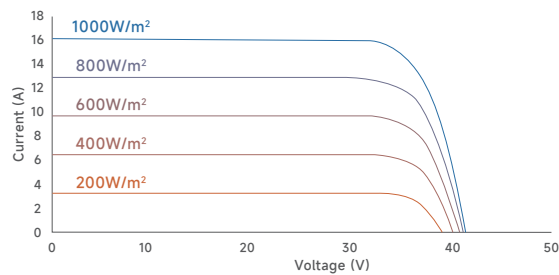
Engineering Drawings

Unit: mm



I-V Curve

(HSN-210R-S108DSB530)



Operating Conditions

Nominal Operating Cell Temp.	44±2°C
Operating Temperature	-40~+70°C
Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	30A
Tolerance of Pmax	0~+3%
Power Selection	0~+5W
Safety Class	Class II

Mechanical Characteristics

Cell Type	HJT
No. of Cells	108 (6x18)
Dimensions	1960x1134x30mm
Weight	27.1 kg
Junction Box	IP68
Cable	4mm²; ±1250mm 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-S108	DSB505	DSB510	DSB515	DSB520	DSB525	DSB530
Maximum Power (Pmax/W)	505	510	515	520	525	530
Module Efficiency (%)	22.7	22.9	23.2	23.4	23.6	23.9
Voltage at Pmax (Vmp/V)	34.27	34.38	34.49	34.60	34.71	34.82
Current at Pmax (Imp/A)	14.74	14.84	14.94	15.04	15.14	15.24
Open Circuit Voltage (Voc/V)	40.87	40.98	41.09	41.20	41.31	41.42
Short Circuit Current (Isc/A)	15.59	15.70	15.81	15.92	16.03	16.14

STC: AM1.5, 1000W/m², 25°C.

NOCT

	385	389	393	397	400	404
Maximum Power (Pmax/W)	385	389	393	397	400	404
Voltage at Pmax (Vmp/V)	32.73	32.83	32.93	33.03	33.13	33.23
Current at Pmax (Imp/A)	11.78	11.86	11.94	12.02	12.10	12.18
Open Circuit Voltage (Voc/V)	39.01	39.11	39.22	39.32	39.43	39.53
Short Circuit Current (Isc/A)	12.46	12.55	12.64	12.72	12.81	12.90

NOCT: AM1.5, 800W/m², 20°C, 1m/s.

Temperature Coefficients

Temperature Coefficient of Pmax	-0.24%/°C
Temperature Coefficient of Voc	-0.22%/°C
Temperature Coefficient of Isc	+0.04%/°C

Packaging

	40'HQ
Modules Per Pallet	36
Pallets Per Container	24
Modules Per Container	864



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