HUASUN | HETEROJUNCTION TECHNOLOGY

Everest G12R Series

500-525W

108-cell HJT Half Cell Solar Module

Efficiency up to 23.6%

HJT Technology

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

Sealing with PIB

Integrated coating frames ensuring modules passing the IEC salt-mist test level 8

Ideal choice for solar rooftop system

Suitable for various rooftop projects

WARRANTY

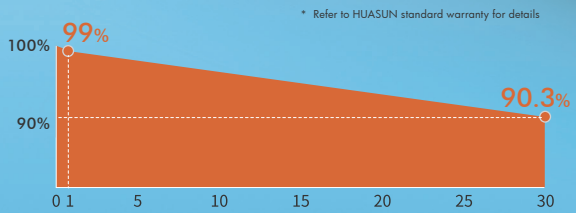
Product Warranty **15** years

Linear Power Warranty **30** years

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

* Refer to HUASUN standard warranty for details



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

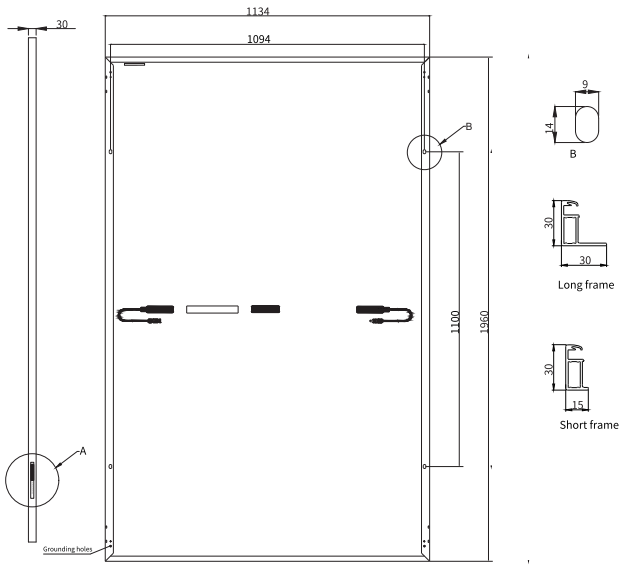
HS-210R-S108 500-525W

108-Half-Cell HJT Module

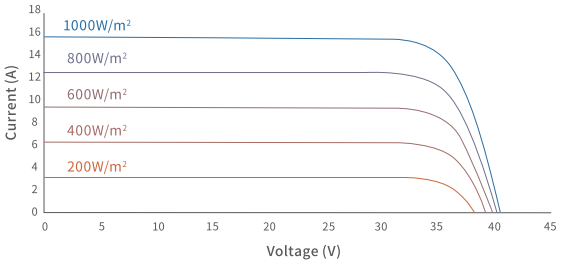
- BloombergNEF Tier 1 PV module manufacturer
- Reinsurance underwritten by Ariel Re

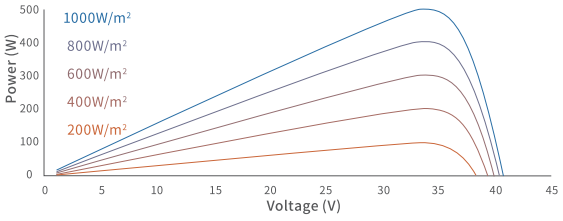
Engineering Drawings

Unit: mm



I-V Curve (HS-210R-S108DSB500)





Operating Conditions

Nominal Operating Cell Temp.	44±2°C
Operating Temperature	-40~+85°C
Maximum System Voltage	DC1500V (IEC)
Maxiumu 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	1960 x 1134 x 30 mm
Weight	27.4kg
Junction Box	IP68
Cable	4mm²; 1250mm or customized; UV resistant
Connector	MC4 / MC4-Evo2A / PV-H4 / Z4S-abcd / ST4
Frame	Anodized aluminum alloy frame
Max Static Load (front side/rear side)	5400Pa / 2400Pa
Glass	Dual glass, 2.0mm

Electrical Characteristics

STC

HS-210R-S108	DSB500	DSB505	DSB510	DSB515	DSB520	DSB525
Maximum Power (Pmax/W)	500	505	510	515	520	525
Module Efficiency (%)	22.5	22.7	22.9	23.2	23.4	23.6
Maximum Power Voltage (Vmp/V)	34.16	34.27	34.38	34.49	34.60	34.71
Maximum Power Current (Imp/A)	14.64	14.74	14.84	14.94	15.04	15.14
Open Circuit Voltage (Voc/V)	40.76	40.87	40.98	41.09	41.20	41.31
Short Circuit Current (Isc/A)	15.48	15.59	15.70	15.81	15.92	16.03

STC: AM1.5, 1000W/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

NOCT

Maximum Power (Pmax/W)	381	385	389	393	397	400
Maximum Power Voltage (Vmp/V)	32.63	32.73	32.83	32.93	33.03	33.13
Maximum Power Current (Imp/A)	11.70	11.78	11.86	11.94	12.02	12.10
Open Circuit Voltage (Voc/V)	38.90	39.01	39.11	39.22	39.32	39.43
Short Circuit Current (Isc/A)	12.37	12.46	12.55	12.64	12.72	12.81

NOCT: AM1.5, 800W/m², 20°C, 1m/s.

Packaging

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

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