

Himalaya G10 Series

575-600W

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

Efficiency
up to
23.2%



HJT Technology

Combining gettering process and $\mu\text{c-Si}$ technology to ensure higher cell efficiency and higher module power



Up to 95% Bifaciality

Natural symmetrical bifacial structure bringing more energy yield from the backside.



Sealing with PIB

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



Suitable for Utility project

Lower BOS cost, lower LCOE.

WARRANTY

Product
Warranty **15**
years

Linear
Power
Warranty **30**
years

Complete System and Product Certifications:

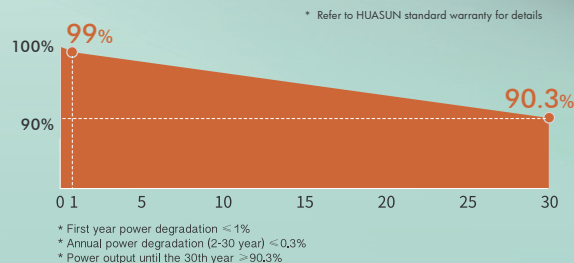
IEC61215, IEC61730

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



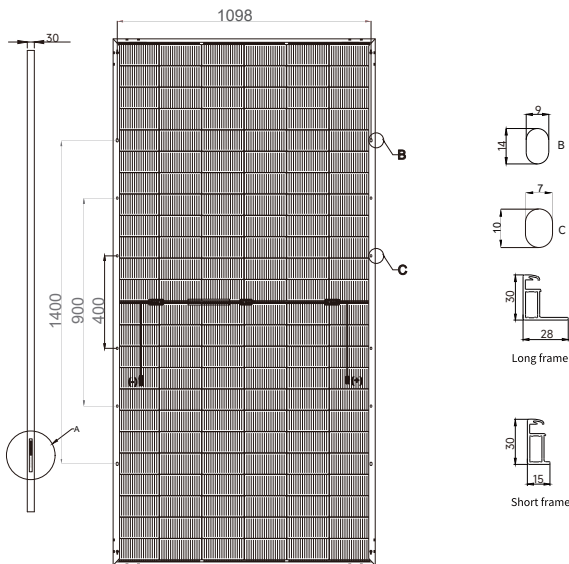
HS-182-B144 575-600W

144-Half-Cell Bifacial HJT Module

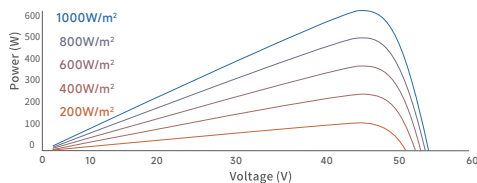
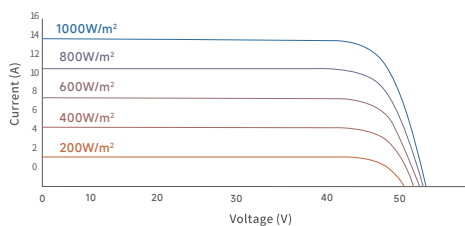
- BloombergNEF Tier 1 PV module manufacturer
- Reinsurance underwritten by Ariel Re

Engineering Drawings

Unit: mm



(HS-182-B144DS590)



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	25A
Tolerance of Pmax	0~+3%
Power Selection	0~+5W
Bifaciality	90±5%
Safety Class	Class II

Mechanical Characteristics

Cell Type	HJT
No. of Cells	144 (6x24)
Dimensions	2278 x 1134 x30 mm
Weight	31.3 kg
Junction Box	IP68
Cable	4mm²; +350/-250mm 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-182-B144	DS575	DS580	DS585	DS590	DS595	DS600
Maximum Power (Pmax/W)	575	580	585	590	595	600
Module Efficiency (%)	22.3	22.5	22.6	22.8	23.0	23.2
Maximum Power Voltage (Vmp/V)	44.79	45.00	45.21	45.42	45.63	45.84
Maximum Power Current (Imp/A)	12.84	12.89	12.94	12.99	13.04	13.09
Open Circuit Voltage (Voc/V)	53.72	53.92	54.12	54.31	54.50	54.70
Short Circuit Current (Isc/A)	13.30	13.35	13.40	13.45	13.50	13.55

STC: AM1.5, 1000W/m², 25°C.

BSTC

Maximum Power (Pmax/W)	644	650	656	661	667	672
Maximum Power Voltage (Vmp/V)	44.95	45.16	45.37	45.58	45.79	46.00
Maximum Power Current (Imp/A)	14.35	14.40	14.46	14.52	14.57	14.63
Open Circuit Voltage (Voc/V)	53.91	54.11	54.31	54.50	54.69	54.89
Short Circuit Current (Isc/A)	14.92	14.97	15.03	15.08	15.14	15.20

BSTC: AM1.5, 1000W/m², 135W/m², 25°C.

NOCT

Maximum Power (Pmax/W)	439	442	446	450	454	458
Maximum Power Voltage (Vmp/V)	42.78	42.99	43.19	43.39	43.59	43.79
Maximum Power Current (Imp/A)	10.26	10.30	10.34	10.38	10.42	10.46
Open Circuit Voltage (Voc/V)	51.27	51.46	51.65	51.84	52.02	52.21
Short Circuit Current (Isc/A)	10.63	10.67	10.71	10.75	10.79	10.83

NOCT: AM1.5, 800W/m², 20°C, 1m/s.

Packaging

	40HQ
Modules Per Pallet	36
Pallets Per Container	30
Modules Per Container	720



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