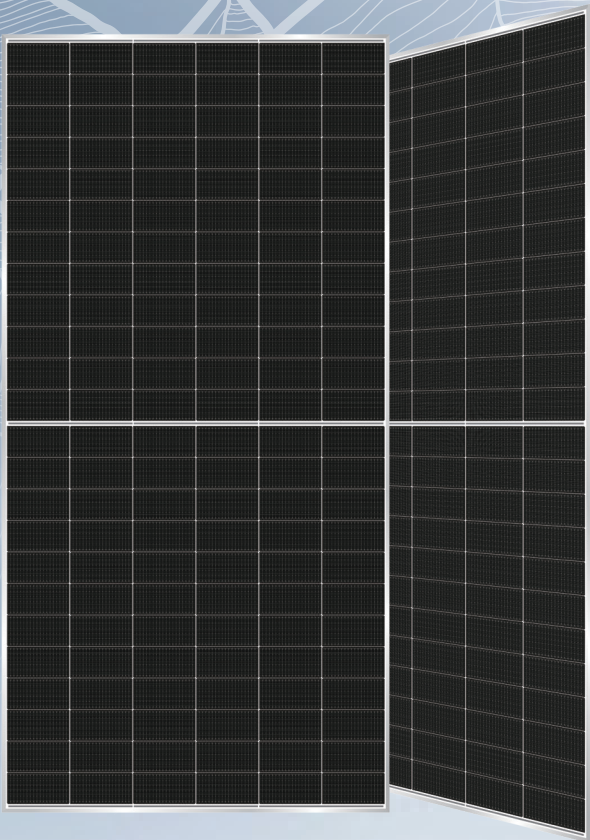


Himalaya G10 Series

555-575W

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



HJT 3.0

Combining gettering process and double-sided μ -Si to maximize cell efficiency and module power.



-0.26%/°C Pmax temperature coefficient

More stable power generation performance and even better in hot climate.



Small Chamfer Design

Bigger power generation area on the solar cell, increasing 1% cell power of single piece.



SMBB design with Half-Cut Technology

Shorter current transmission distance, less resistive loss and higher cell efficiency.



Up to 90% Bifaciality

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



Sealing with PIB based sealant

Stronger water resistance, greater air impermeability to extend module lifespan.



Higher reliability

Industrial leading product and performance warranty, ensuring modules' consistent outstanding performance.



Suitable for Utility Solar projects

WARRANTY

Product
Warranty **15**
years

Linear
Power
Warranty **30**
years



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The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Anhui Huasun reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the latest version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.

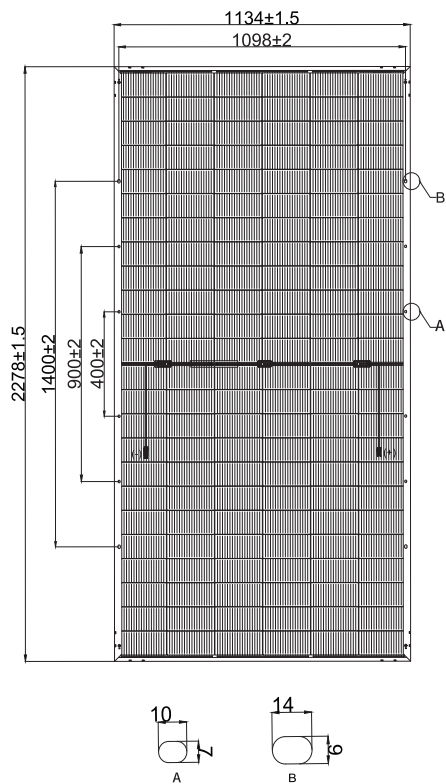
Himalaya G10 Series 555-575W

144-cell Bifacial HJT Half Cell Solar Module

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

Engineering Drawings

Unit: mm



Electrical Characteristics (STC*)

HS-182-B144	DS555	DS560	DS565	DS570	DS575
Maximum Power (P _{max})	555W	560W	565W	570W	575W
Module Efficiency (%)	21.48%	21.68%	21.87%	22.07%	22.26%
Optimum Operating Voltage (V _{mp})	43.91V	44.13V	44.35V	44.57V	44.79V
Optimum Operating Current (I _{mp})	12.64A	12.69A	12.74A	12.79A	12.84A
Open Circuit Voltage (V _{oc})	53.04V	53.22V	53.39V	53.55V	53.72V
Short Circuit Current (I _{sc})	13.06A	13.12A	13.18A	13.24A	13.30A
Operating Module Temperature	-40 to +85 °C				
Maximum System Voltage	DC1500V (IEC)				
Maximum Series Fuse	25A				
Power Tolerance	0~+5W				
Bifaciality	85% ± 5%				

*STC: Irradiance 1000 W/m², cell temperature 25 °C, AM=1.5. Tolerance of P_{max} is within +/- 3%.

BSTC**

Maximum Power (P _{max})	615W	620W	625W	630W	635W
Optimum Operating Voltage (V _{mp})	43.91V	44.13V	44.35V	44.57V	44.79V
Optimum Operating Current (I _{mp})	14.01A	14.05A	14.10A	14.14A	14.18A
Open Circuit Voltage (V _{oc})	53.04V	53.22V	53.39V	53.55V	53.72V
Short Circuit Current (I _{sc})	14.47A	14.52A	14.58A	14.63A	14.69A

**BSTC: Front side irradiation 1000W/m², back side reflection irradiation 135W/m², AM=1.5, ambient temperature 25 °C.

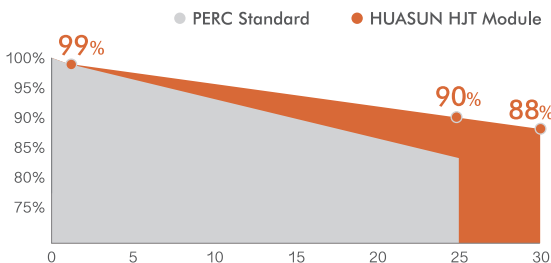
Temperature Characteristics

Nominal Operating Cell Temp. (NOCT)	44 °C ± 2 °C
Temperature Coefficient of P _{max}	-0.26%/°C
Temperature Coefficient of V _{oc}	-0.24%/°C
Temperature Coefficient of I _{sc}	0.04%/°C

Safety & Warranty

Safety Class	Class II
Product Warranty	15 yrs Workmanship
Performance Warranty	30 yrs Linear Warranty*

* Less than 1% attenuation in the 1st year, the annual attenuation from the 2nd year is no more than 0.375%, and the power is no less than 88% until the 30th year.



* Refer to HUASUN standard warranty for details

Mechanical Characteristics

Cell Type	HJT Mono 182 × 91.75mm
Cell Connection	144 (6 × 24)
Module Dimension	2278 × 1134 × 30 mm
Weight	32 kg
Junction Box	IP68
Output Cable	4mm ² , 300mm in length, length can be customized / UV resistant
Connectors Type	MC4 original / MC4 compatible
Frame	Anodised aluminum alloy
Front Load	5400 Pa
Rear Load	2400 Pa
Glass Thickness	Double glass, 2.0mm

Shipping Configurations

Container Size	HC
Pallets Per Container	20
Modules Per Pallet (pcs)	36
Modules Per Container (pcs)	720

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