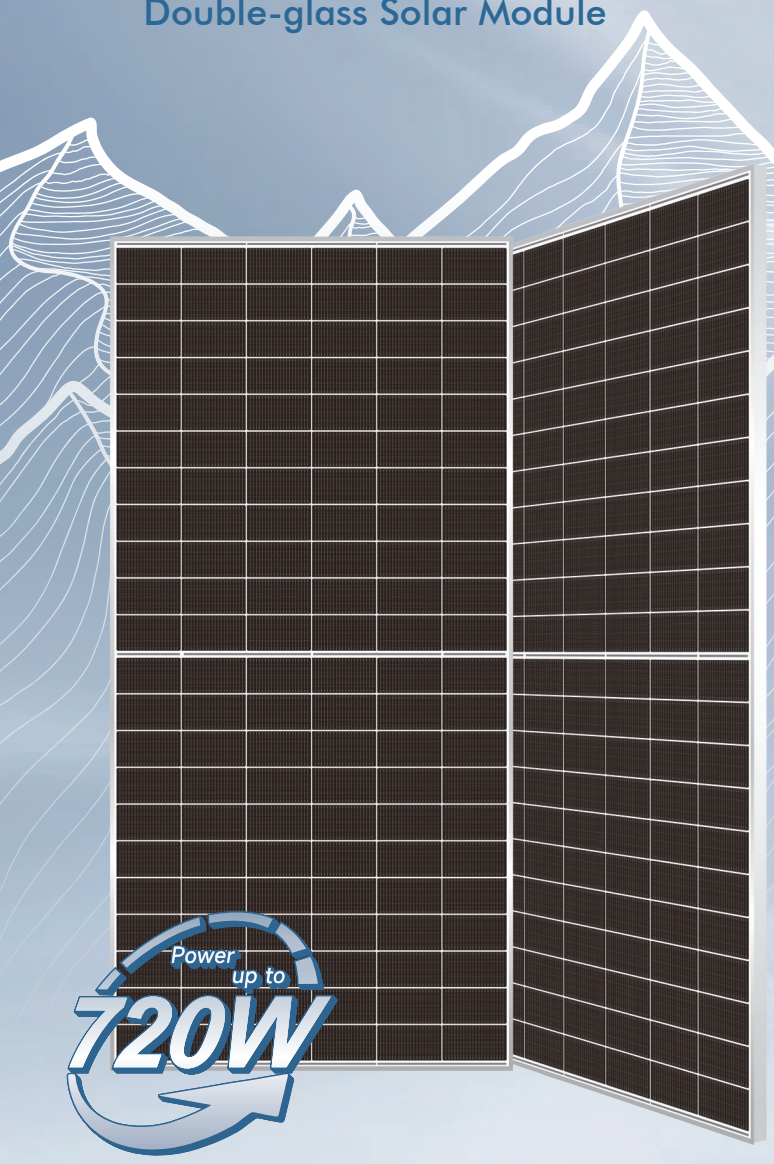
HUASUN

HETERO JUNCTION TECHNOLOGY

Himalaya G12 Series
700-720W
132-cell Bifacial HJT Half Cell Double-glass Solar Module



HJT 2.0 Technology
Combining gettering process and single-side μc-Si technology to ensure higher cell efficiency and higher module power.

-0.26%/℃ Pmax temperature coefficient
More stable power generation performance and even better in hot climate.

SMBB design with Half-Cut Technology
SMBB

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

Up to 90% Bifaciality
Natrual symmetrical bifacial structure bringing more energy yield from the backside.

Sealing with PIB based sealant
Stronger water resistance, greater air impermeability to extent module lifespan.

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

Suitable for Utility project
Lower BOS cost, lower LCOE.

WARRANTY

Product Warranty **15** years

Linear Power Warranty **30** years

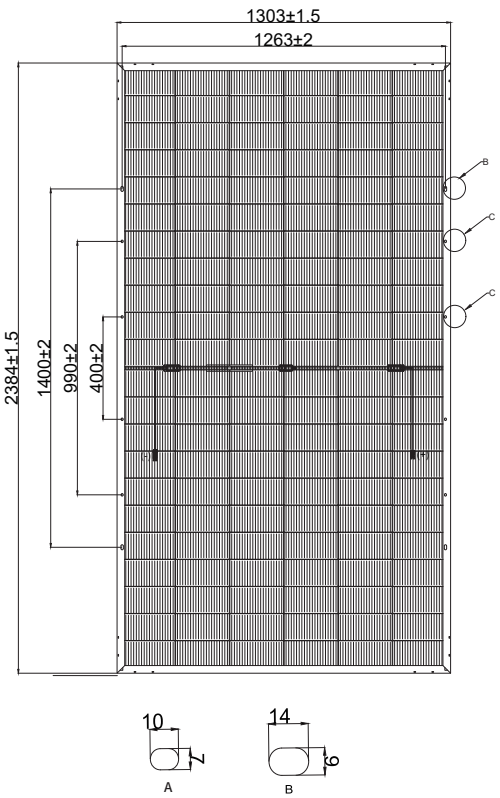
Himalaya G12 Series 700-720W

132-cell Bifacial HJT Solar Half Cell Module

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

Engineering Drawings

Unit: mm



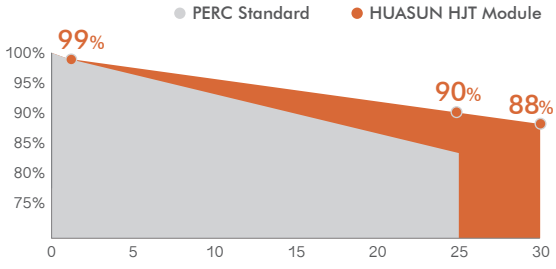
Temperature Characteristics

Nominal Operating Cell Temp. (NOCT)	44°C±2°C
Temperature Coefficient of Pmax	-0.26%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	0.04%/°C

Safety & Warranty

Safety Class	Class II
Fire Safety Class	Class C according to UL790
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

Electrical Characteristics (STC*)

HS-210-B132	DS700	DS705	DS710	DS715	DS720
Maximum Power (Pmax)	700W	705W	710W	715W	720W
Module Efficiency (%)	22.53%	22.70%	22.86%	23.02%	23.18%
Optimum Operating Voltage (Vmp)	42.10V	42.25V	42.39V	42.54V	42.68V
Optimum Operating Current (Imp)	16.63A	16.69A	16.75A	16.81A	16.87A
Open Circuit Voltage (Voc)	50.13V	50.29V	50.44V	50.59V	50.74V
Short Circuit Current (Isc)	17.43A	17.49A	17.55A	17.61A	17.67A
Operating Module Temperature	-40 to +85°C				
Maximum System Voltage	DC1500V (IEC)				
Maximum Series Fuse	35A				
Power Tolerance	0~+5W				
Bifaciality	85%±5%				

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

BSTC**

Maximum Power (Pmax)	770W	775W	780W	785W	790W
Optimum Operating Voltage (Vmp)	42.10V	42.25V	42.39V	42.54V	42.68V
Optimum Operating Current (Imp)	18.29A	18.35A	18.41A	18.46A	18.51A
Open Circuit Voltage (Voc)	50.13V	50.29V	50.44V	50.59V	50.74V
Short Circuit Current (Isc)	19.17A	19.22A	19.28A	19.33A	19.39A

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

Mechanical Characteristics

Cell Type	HJT Mono 210×105mm
Cell Connection	132 (6×22)
Module Dimension	2384×1303×35 mm
Weight	38.7 kg
Junction Box	IP68
Output Cable	4mm², 300mm in length, length can be customized / UV resistant
Connectors Type	PV-KST4-EVO 2/xy_UR / PV-KBT4-EVO 2/xy_UR/ 05-8 / RHC2xyzu / UTXCFabcd / UTXCMabcd / PV4-S1yx / PV-H4
Frame	Anodised aluminum alloy
Front Load	5400 Pa
Rear Load	2400 Pa
Glass Thickness	Double glass, 2.0mm

Shipping Configurations

	HC
Container Size	40'
Pallets Per Container	18
Modules Per Pallet (pcs)	31
Modules Per Container (pcs)	558

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