

Himalaya G12 Series 720-740W

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



BBB Technology

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



HJT Technology

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



-0.24%/°C Pmax temperature coefficient

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



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 project

Lower BOS cost, lower LCOE.



WARRANTY

Product
Warranty **15**
years

Linear
Power
Warranty **30**
years



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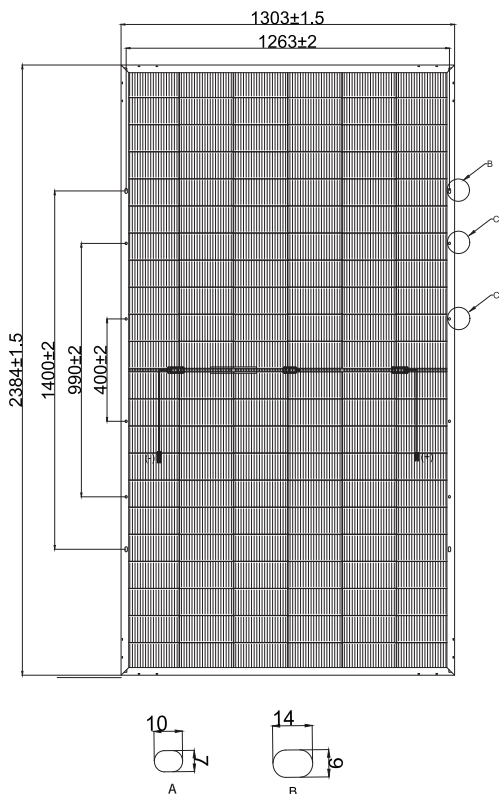
Himalaya G12 Series 720-740W

132-cell Bifacial HJT Solar Half Cell Module

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

Engineering Drawings

Unit: mm



Electrical Characteristics (STC*)

HSN-210-B132	DS720	DS725	DS730	DS735	DS740
Maximum Power (Pmax)	720W	725W	730W	735W	740W
Module Efficiency (%)	23.18%	23.34%	23.50%	23.66%	23.82%
Optimum Operating Voltage (Vmp)	42.47V	42.62V	42.77V	42.92V	43.07V
Optimum Operating Current (Imp)	16.96A	17.02A	17.08A	17.14A	17.20A
Open Circuit Voltage (Voc)	49.79V	49.95V	50.11V	50.27V	50.43V
Short Circuit Current (Isc)	17.93A	17.99A	18.05A	18.11A	18.17A
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. Test uncertainty for Pmax ± 3%

BSTC**/NOCT**

Maximum Power (Pmax)	790W	795W	800W	805W	810W
Optimum Operating Voltage (Vmp)	42.47V	42.62V	42.77V	42.92V	43.07V
Optimum Operating Current (Imp)	18.61A	18.66A	18.71A	18.76A	18.81A
Open Circuit Voltage (Voc)	49.79V	49.95V	50.11V	50.27V	50.43V
Short Circuit Current (Isc)	20.16A	20.22A	20.28A	20.34A	20.40A

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

Maximum Power (Pmax)	550W	554W	557W	561W	565W
Optimum Operating Voltage (Vmp)	40.23V	40.38V	40.45V	40.59V	40.76V
Optimum Operating Current (Imp)	13.67A	13.72A	13.77A	13.82A	13.86A
Open Circuit Voltage (Voc)	47.52V	47.67V	47.82V	47.98V	48.13V
Short Circuit Current (Isc)	14.45A	14.50A	14.55A	14.60A	14.65A

**NOCT: Irradiance 800W/m², Ambient Temperature 20 C, Wind Speed 1m/s.

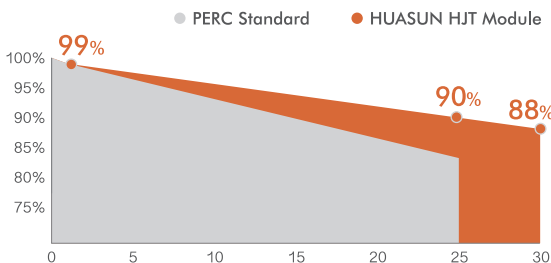
Temperature Characteristics

Nominal Operating Cell Temp. (NOCT)	44 °C ± 2 °C
Temperature Coefficient of Pmax	-0.24%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	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 210 × 105mm
Cell Connection	132 (6 × 22)
Module Dimension	2384 × 1303 × 33 mm
Weight	38.7 kg
Junction Box	IP68
Output Cable	4mm ² , 300mm in length, length can be customized / UV resistant
Connectors Type	MC4-Evo 2/ PV-H4/ Z4S-abc/ ST4
Frame	Anodised aluminum alloy
Front Load	5400 Pa
Rear Load	2400 Pa
Glass Thickness	Double glass, 2.0mm

Shipping Configurations

Container Size	40'HQ
Pallets Per Container	18
Modules Per Pallet (pcs)	33
Modules Per Container (pcs)	594

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