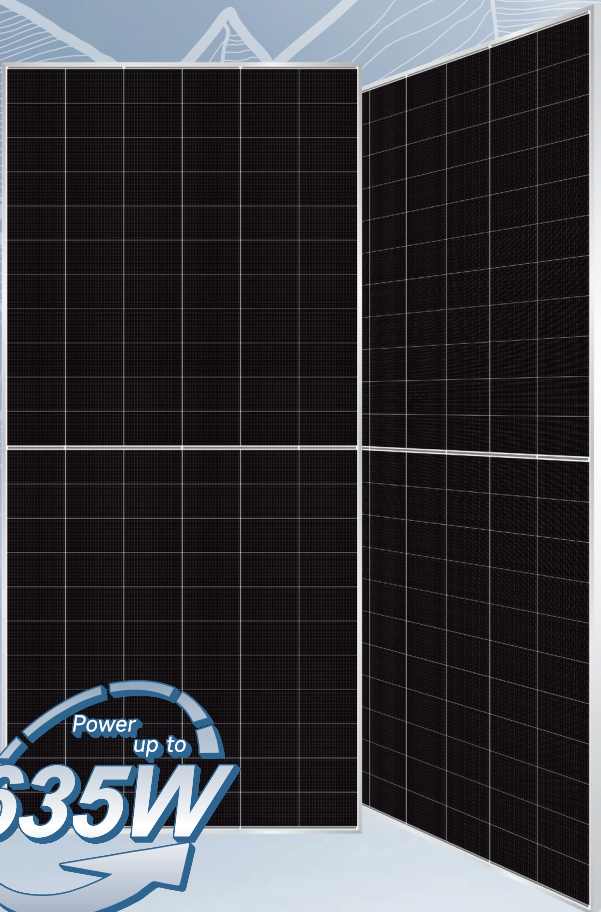


Everest G12R Series 615-635W

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



OBB 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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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.

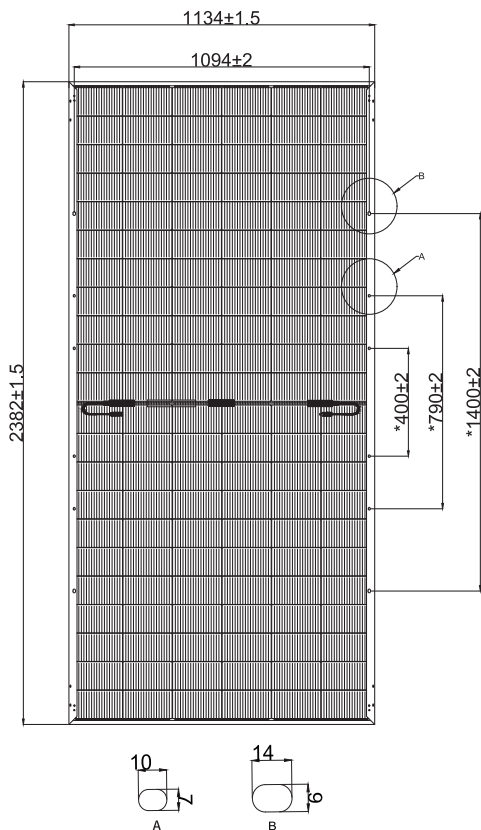
Everest G12R Series 615-635W

132-cell Bifacial HJT Half Cell Solar Module

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

Engineering Drawings

Unit: mm



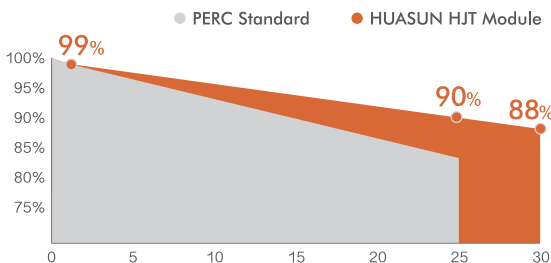
Temperature Characteristics

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

Electrical Characteristics (STC*)

HSN-210R-B132	DS615	DS620	DS625	DS630	DS635
Maximum Power (Pmax)	615W	620W	625W	630W	635W
Module Efficiency (%)	22.77%	22.95%	23.14%	23.32%	23.51%
Optimum Operating Voltage (Vmp)	41.76V	41.92V	42.07V	42.21V	42.37V
Optimum Operating Current (Imp)	14.73A	14.79A	14.86A	14.92A	14.99A
Open Circuit Voltage (Voc)	49.75V	49.91V	50.07V	50.23V	50.39V
Short Circuit Current (Isc)	15.44A	15.51A	15.57A	15.64A	15.70A
Operating Module Temperature	-40 to +85 °C				
Maximum System Voltage	DC1500V (IEC)				
Maximum Series Fuse	30A				
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)	685W	691W	696W	702W	707W
Optimum Operating Voltage (Vmp)	41.90V	42.06V	42.21V	42.36V	42.52V
Optimum Operating Current (Imp)	16.36A	16.43A	16.51A	16.58A	16.65A
Open Circuit Voltage (Voc)	49.92V	50.08V	50.24V	50.40V	50.56V
Short Circuit Current (Isc)	17.21A	17.29A	17.36A	17.43A	17.50A

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

Maximum Power (Pmax)	467W	471W	475W	479W	482W
Optimum Operating Voltage (Vmp)	39.73V	39.88V	40.02V	40.17V	40.31V
Optimum Operating Current (Imp)	11.77A	11.82A	11.88A	11.93A	11.98A
Open Circuit Voltage (Voc)	47.48V	47.64V	47.79V	47.94V	48.09V
Short Circuit Current (Isc)	12.34A	12.39A	12.45A	12.50A	12.55A

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

Mechanical Characteristics

Cell Type	HJT Mono 182 × 105mm
Cell Connection	132 (6 × 22)
Module Dimension	2382 × 1134 × 30 mm
Weight	32.6kg
Junction Box	IP68
Output Cable	4mm ² , 300mm in length, length can be customized / UV resistant
Connectors Type	MC4-Evo 2/ PV-H4/ Z4S-abcd/ 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 (pcs)	20
Modules Per Pallet (pcs)	36
Modules Per Container	720

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