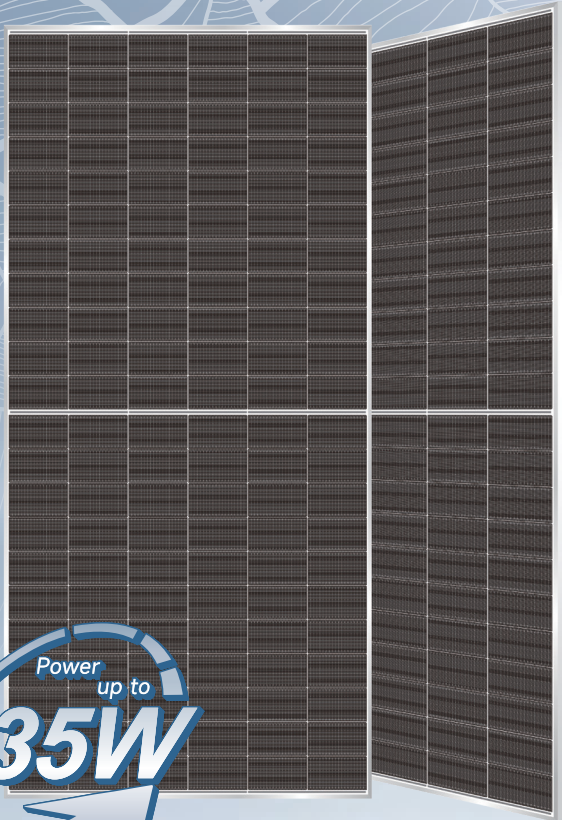


Everest G12R Series 615-635W

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



HJT 3.0

Combining gettering process and double-sided $\mu\text{-Si}$ to maximize cell efficiency and module power.



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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File No. HS-T2-SM-0027 Ver. 2.0 Page 1 of 2



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.

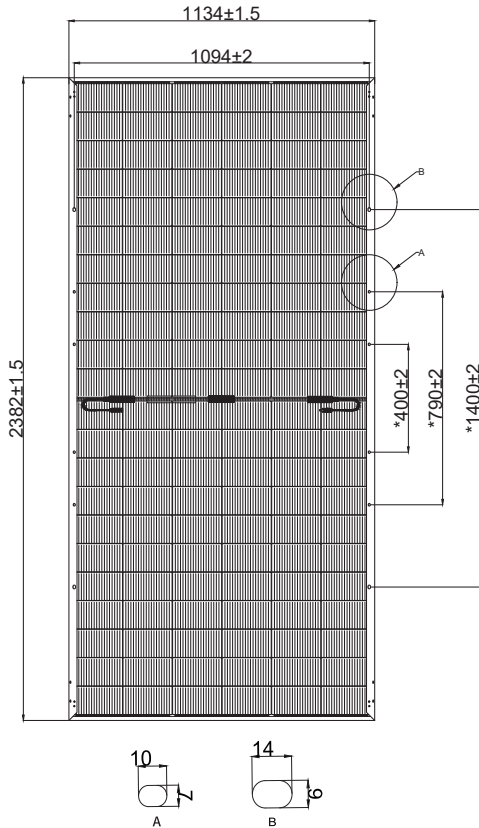
Everest G12R Series 615-635W

132-cell Bifacial HJT Half Cell Solar Module

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

Engineering Drawings

Unit: mm



Electrical Characteristics (STC*)

HS-210R-B132	DS615	DS620	DS625	DS630	DS635
Maximum Power (P _{max})	615W	620W	625W	630W	635W
Module Efficiency (%)	22.77%	22.95%	23.14%	23.32%	23.51%
Optimum Operating Voltage (V _{mp})	42.15V	42.30V	42.46V	42.62V	42.77
Optimum Operating Current (I _{mp})	14.60A	14.66A	14.72A	14.79A	14.85
Open Circuit Voltage (V _{oc})	50.80V	50.98V	51.16V	51.35V	51.53
Short Circuit Current (I _{sc})	15.37A	15.42A	15.47A	15.52A	15.57
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. Tolerance of P_{max} is within +/- 3%.

BSTC**/NOCT**

Maximum Power (P _{max})	685W	690W	685W	700W	705W
Optimum Operating Voltage (V _{mp})	42.15V	42.30V	42.15V	42.62V	42.77V
Optimum Operating Current (I _{mp})	16.26A	16.32A	16.26A	16.43A	16.49A
Open Circuit Voltage (V _{oc})	50.80V	50.98V	50.80V	51.35V	51.53V
Short Circuit Current (I _{sc})	17.13A	17.19A	17.13A	17.30A	17.36A

Maximum Power (P _{max})	469W	472W	476W	479W	483W
Optimum Operating Voltage (V _{mp})	39.75V	39.90V	40.07V	40.22V	40.65V
Optimum Operating Current (I _{mp})	11.80A	11.83A	11.88A	11.91A	11.88A
Open Circuit Voltage (V _{oc})	48.48V	48.65V	48.83V	49.01V	49.18V
Short Circuit Current (I _{sc})	12.39A	12.43A	12.47A	12.51A	12.46A

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

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

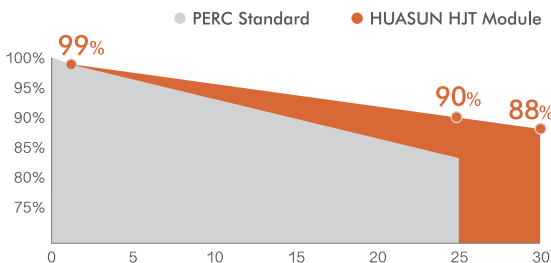
Temperature Characteristics

Nominal Operating Cell Temp. (NOCT)	44 °C ± 2 °C
Temperature Coefficient of P _{max}	-0.24%/°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 × 105mm
Cell Connection	132 (6 × 22)
Module Dimension	2382 × 1134 × 30 mm
Weight	33.6 kg
Junction Box	IP68
Output Cable	4mm ² , 300mm in length, length can be customized / UV resistant
Connectors Type	MC4/ MC4-Evo2A/ 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'HC
Pallets Per Container (pcs)	20
Modules Per Pallet (pcs)	36
Modules Per Container	720

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File No. HS-T2-SM-0027 Ver. 2.0 Page 2 of 2

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