

Everest G12R Series 605-625W

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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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.

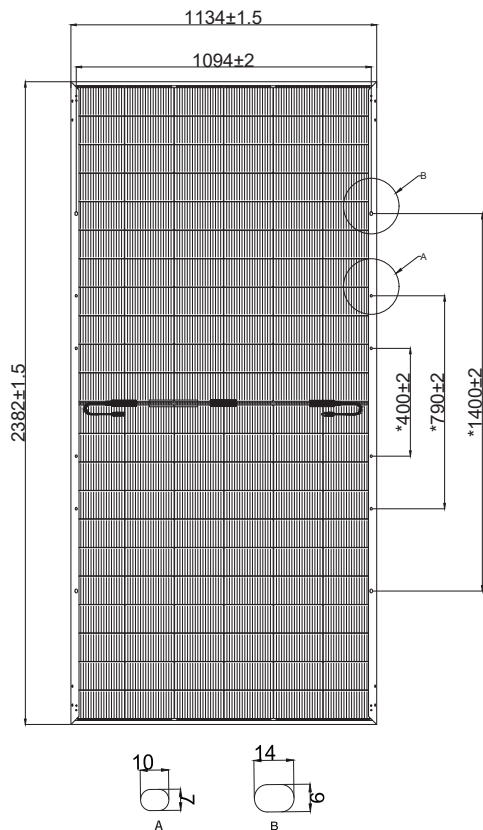
Everest G12R Series 605-625W

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	DS605	DS610	DS615	DS620	DS625
Maximum Power (Pmax)	605W	610W	615W	620W	625W
Module Efficiency (%)	22.40%	22.56%	22.77%	22.95%	23.14%
Optimum Operating Voltage (Vmp)	41.82V	42.00V	42.15V	42.30V	42.46V
Optimum Operating Current (Imp)	14.47A	14.53A	14.60A	14.66A	14.72A
Open Circuit Voltage (Voc)	50.57V	50.63V	50.80V	50.98V	51.16V
Short Circuit Current (Isc)	15.27A	15.32A	15.37A	15.42A	15.47A
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 Pmax is within +/- 3%.

BSTC**/NOCT**

Maximum Power (Pmax)	675W	680W	685W	690W	705W
Optimum Operating Voltage (Vmp)	41.82V	42.00V	42.15V	42.30V	42.77V
Optimum Operating Current (Imp)	16.15A	16.20A	16.26A	16.32A	16.49A
Open Circuit Voltage (Voc)	50.57V	50.63V	50.80V	50.98V	51.53V
Short Circuit Current (Isc)	17.02A	17.08A	17.13A	17.19A	17.36A

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

Maximum Power (Pmax)	460W	466W	469W	472W	476W
Optimum Operating Voltage (Vmp)	39.75V	39.67V	39.75V	39.90V	40.07V
Optimum Operating Current (Imp)	11.58A	11.75A	11.80A	11.83A	11.88A
Open Circuit Voltage (Voc)	48.27V	48.32V	48.48V	48.65V	48.83V
Short Circuit Current (Isc)	12.22A	12.35A	12.39A	12.43A	12.47A

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

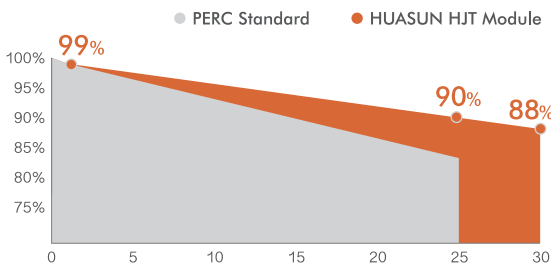
Temperature Characteristics

Nominal Operating Cell Temp. (NOCT)	44 °C ± 2 °C
Temperature Coefficient of Pmax	-0.26%/°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 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 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	40'HC
Pallets Per Container (pcs)	20
Modules Per Pallet (pcs)	36
Modules Per Container	720

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