



Himalaya G10R Series 610-630W

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.



SMBB design with Half-Cut Technology

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



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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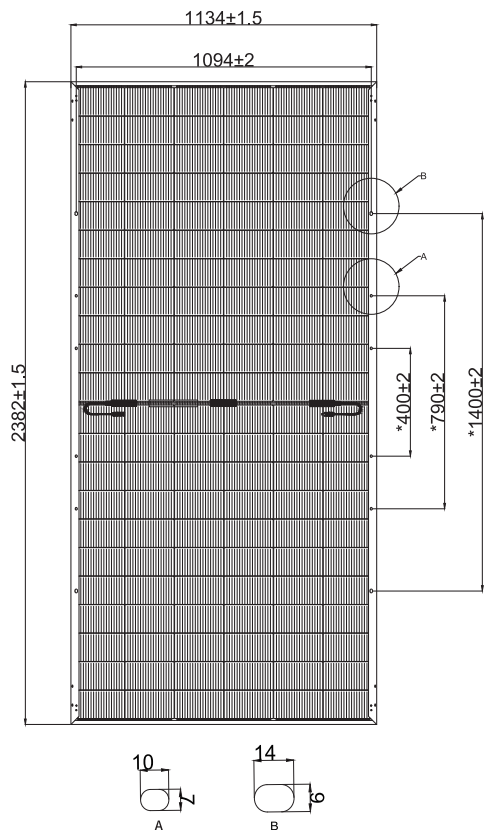
Himalaya G10R Series 610-630W

132-cell Bifacial HJT Half Cell Solar Module

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

Engineering Drawings

Unit: mm



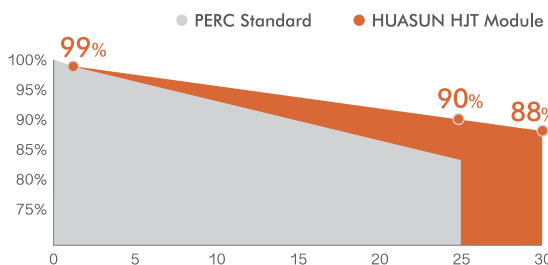
Temperature Characteristics

Nominal Operating Cell Temp. (NOCT)	44 °C ± 2 °C
Temperature Coefficient of Pmax	-0.24%/°C
Temperature Coefficient of Voc	-0.22%/°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*)

HS-182R-B132	DS610	DS615	DS620	DS625	DS630
Maximum Power (Pmax)	610W	615W	620W	625W	630W
Module Efficiency (%)	22.58%	22.77%	22.95%	23.14%	23.32%
Optimum Operating Voltage (Vmp)	42.00V	42.15V	42.30V	42.46V	42.62V
Optimum Operating Current (Imp)	14.53A	14.60A	14.66A	14.72A	14.79A
Open Circuit Voltage (Voc)	50.63V	50.80V	50.98V	51.16V	51.35V
Short Circuit Current (Isc)	15.32A	15.37A	15.42A	15.47A	15.52A
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**

Maximum Power (Pmax)	680W	685W	690W	695W	700W
Optimum Operating Voltage (Vmp)	42.00V	42.15V	42.30V	42.46V	42.62V
Optimum Operating Current (Imp)	16.20A	16.26A	16.32A	16.37A	16.43A
Open Circuit Voltage (Voc)	50.63V	50.80V	50.98V	51.16V	51.35V
Short Circuit Current (Isc)	17.08A	17.13A	17.19A	17.25A	17.30A

**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 182.1 × 105mm
Cell Connection	132 (6 × 22)
Module Dimension	2382 × 1134 × 30 mm
Weight	33.6 kg
Junction Box	IP68
Output Cable	4mm², 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	HC
Pallets Per Container	40'
Modules Per Pallet (pcs)	20
Modules Per Container (pcs)	36
	720

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