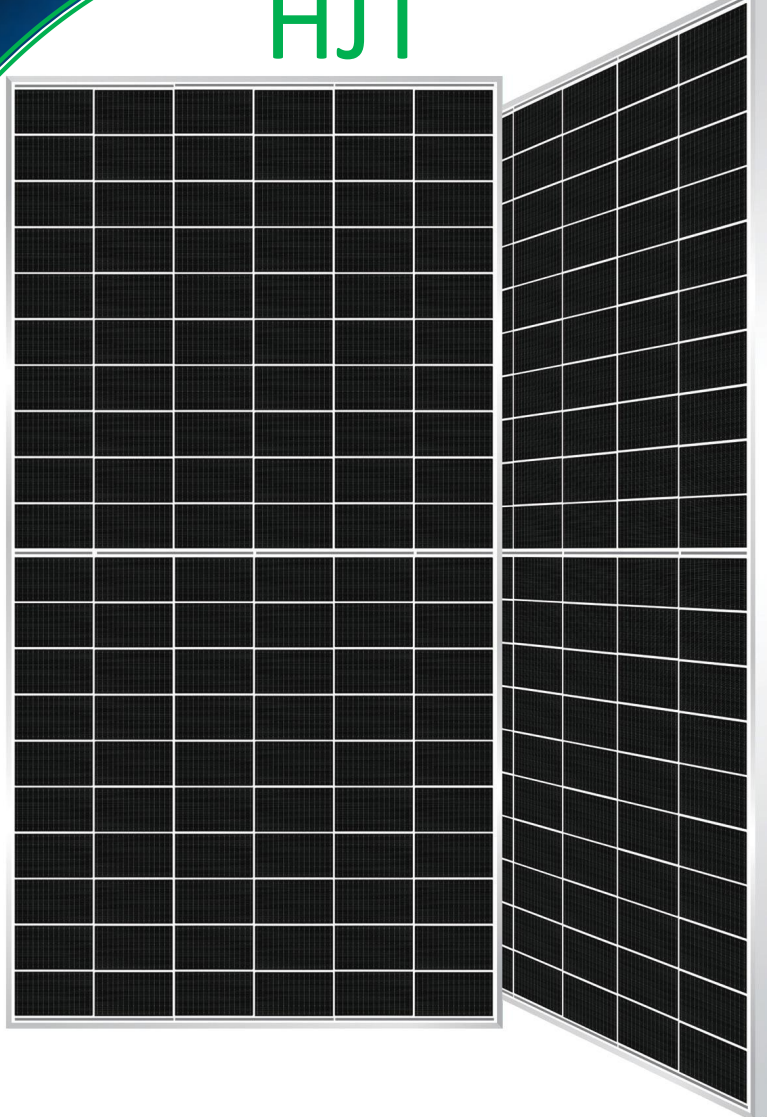




HJT



680W-700W

Heterojunction Technology

Up to 21.96% efficiency for black module

166mm Cel

Unique 12BB HJT Cell with Half-cut design

SMBB Half-Cut Cell Technology

Black but transparent outfit, elegant for any rooftop

Up to 95% Bifaciality

15/30 years warranty, long-term high performance ensured

Reliable, Durable Sustainable

WARRANTY

Product Warranty **15 years**

Linear Power Warranty **30 years**

Source factory manufacturing



+86 15017396997



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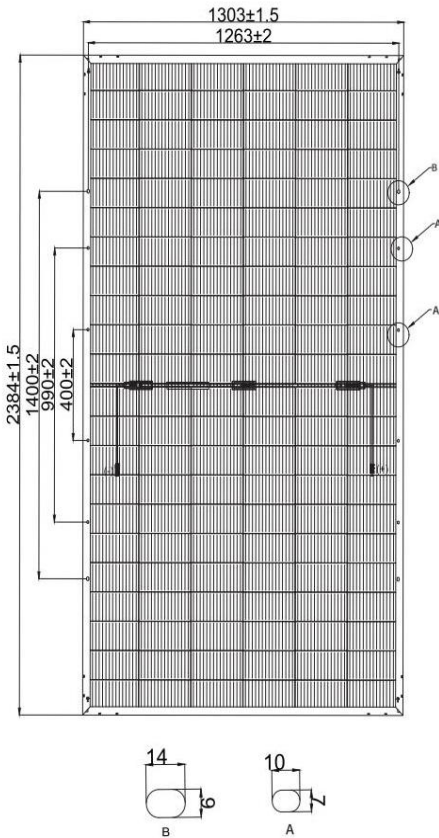


615W-635W

132-cell Bifacial HJT Half Cell Solar Module

Engineering Drawings

Unit: mm



Electrical Characteristics (STC*)

HS-210-B132	DS680	DS685	DS690	DS695	DS700
Maximum Power (Pmax)	680W	685W	690W	695W	700W
Module Efficiency (%)	21.89%	22.05%	22.21%	22.37%	22.53%
Optimum Operating Voltage (Vmp)	41.49V	41.65V	41.80V	41.95V	42.10V
Optimum Operating Current (Imp)	16.39A	16.45A	16.51A	16.57A	16.63A
Open Circuit Voltage (Voc)	49.50V	49.66V	49.82V	49.98V	50.13V
Short Circuit Current (Isc)	17.19A	17.25A	17.31A	17.37A	17.43A
Operating Module Temperature	-40 to +85 C				
Maximum System Voltage	DC1500V (IEC)				
Maximum Series Fuse	30A				
Power Tolerance	0~+5W				
Bifaciality	80% ± 5%				

*STC: Irradiance 1000 W/m², cell temperature 25 C, AM=1.5, Tolerance of Pmax is within +/- 3%.

BSTC**

Maximum Power (Pmax)	750W	755W	760W	765W	770W
Optimum Operating Voltage (Vmp)	41.49V	41.65V	41.80V	41.95V	42.10V
Optimum Operating Current (Imp)	18.08A	18.13A	18.19A	18.24A	18.29A
Open Circuit Voltage (Voc)	49.50V	49.66V	49.82V	49.98V	50.13V
Short Circuit Current (Isc)	18.96A	19.01A	19.07A	19.12A	19.17A

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

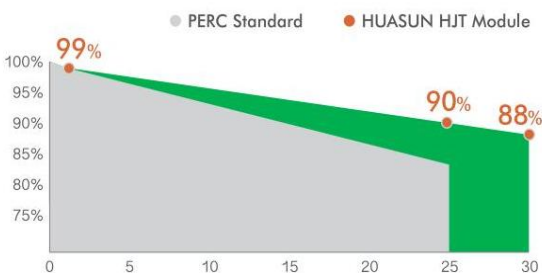
Temperature Characteristics

Nominal Operating Cell Temp. (NOCT)	44 C ± 2 C
Temperature Coefficiency of Pmax	-0.26%/ C
Temperature Coefficiency of Voc	-0.24%/ C
Temperature Coefficiency 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 × 35 mm
Weight	38.7 kg
Junction Box	IP68
Output Cable	4mm ² , 1400mm in length, length can be customized / UV resistant
Connectors Type	MC4 compatible
Frame	Anodised aluminum alloy
Encapsulant	EPE
Front Load	5400 Pa
Rear Load	2400 Pa
Glass Thickness	(F) 2.0mm anti-reflective surface solar glass (B) 2.0mm solar glass

Shipping Configurations

Container Size	HC
Pallets Per Container	18
Modules Per Pallet (pcs)	31
Modules Per Container (pcs)	558