

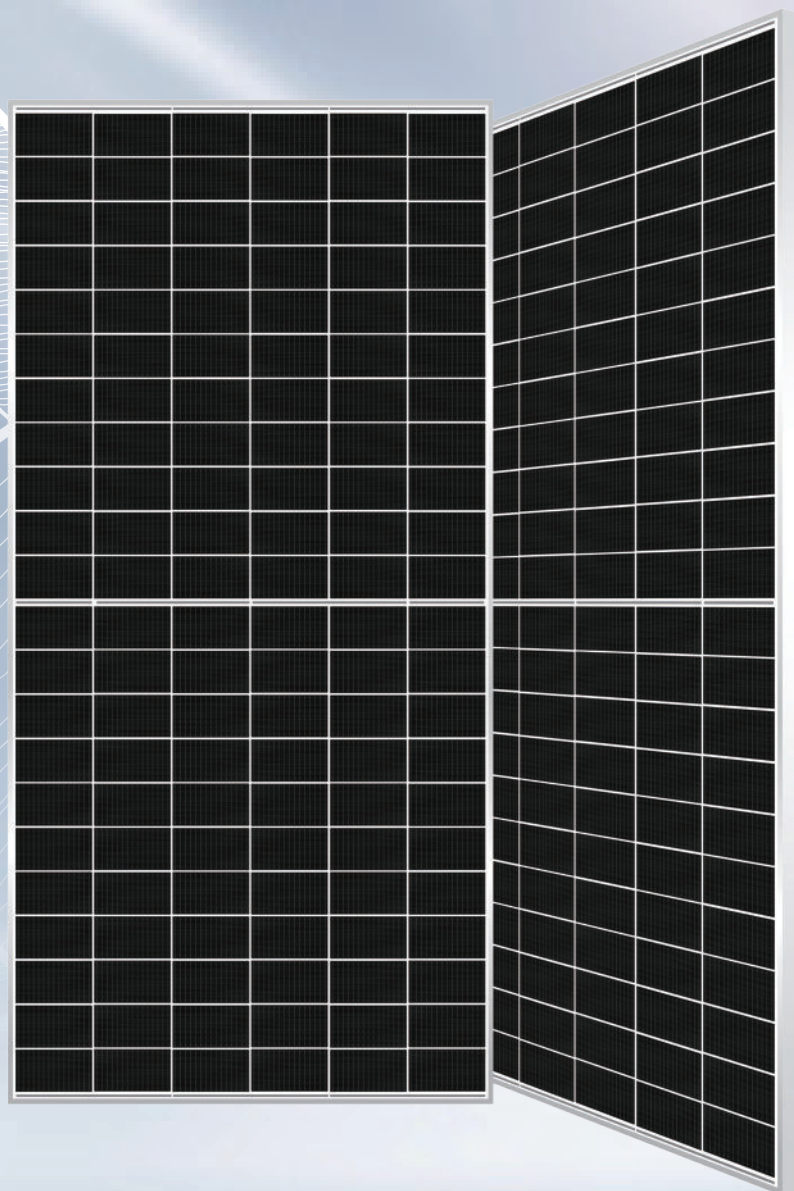
# Himalaya G12 Series

## 680-700W

132-cell Bifacial HJT Half Cell  
Solar Module

### HJT · G12

Heterojunction 210mm Cell



SMBB Half-Cut  
Cell Technology



Up to 85% Bifaciality



PIB Technology\*



Lower LCOE  
Higher Return

WARRANTY

Product  
Warranty **15**  
years

Linear  
Power  
Warranty **30**  
years



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\*PIB technology is optional and will be confirmed by case.

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.

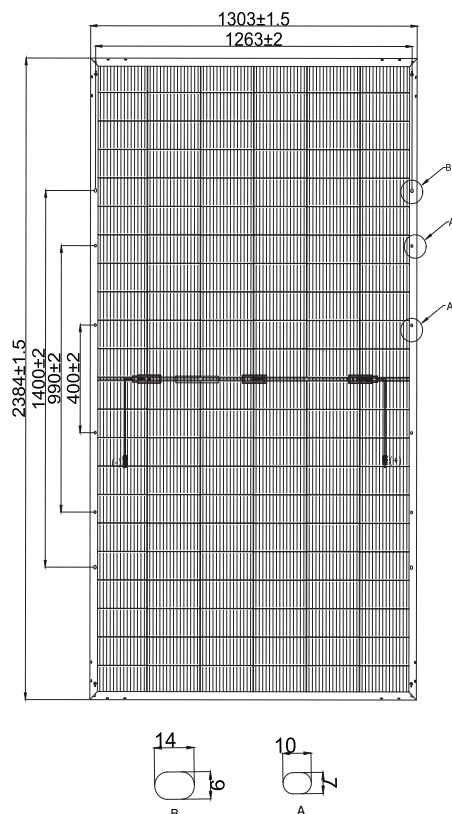
# Himalaya G12 Series 680-700W

132-cell Bifacial HJT Half Cell Solar Module



## Engineering Drawings

Unit: mm



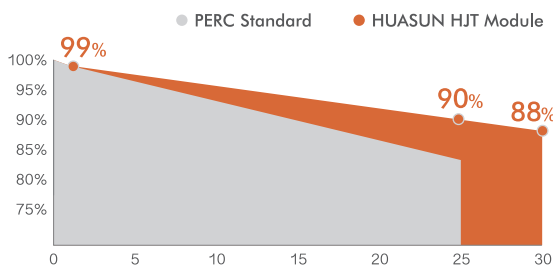
## Temperature Characteristics

|                                     |              |
|-------------------------------------|--------------|
| 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

## 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\*\*

|                                 | 750W   | 755W   | 760W   | 765W   | 770W   |
|---------------------------------|--------|--------|--------|--------|--------|
| 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.

## 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     | 4mm², 300mm 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       | 40' |
| Modules Per Pallet (pcs)    | 18  |
| Modules Per Container (pcs) | 31  |
|                             | 558 |

ANHUI HUASUN ENERGY CO., LTD.

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