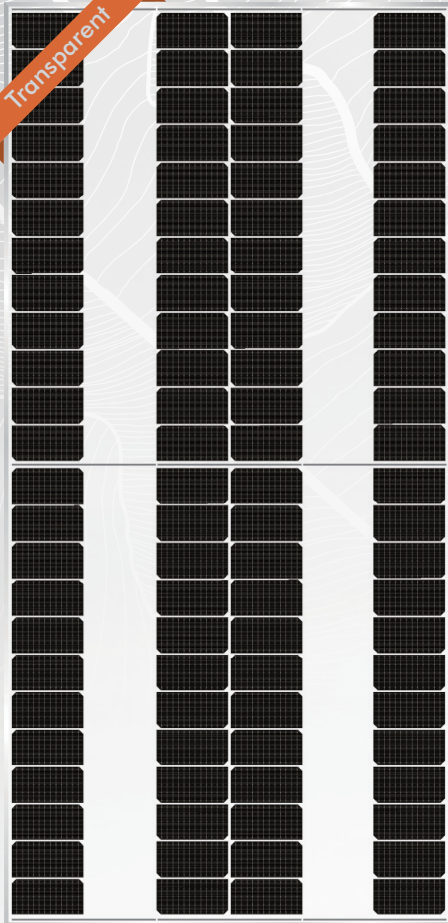


# Himalaya M6 Series 300-320W

96-cell Bifacial HJT Half Cell  
Transparent Solar Module

(light-conversion encapsulate applied  
for power output increase)



## HJT

### Heterojunction Technology

The next generation mainstream high-efficiency solar cell technology.



### -0.26%/C Pmax temperature coefficient

More stable power generation performance and even better in hot climate.



### 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.



### High reliability

Industrial leading product and performance warranty, ensuring modules' consistent outstanding performance.

**WARRANTY**

Product  
Warranty

**15**  
years

Linear  
Power  
Warranty

**30**  
years



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.

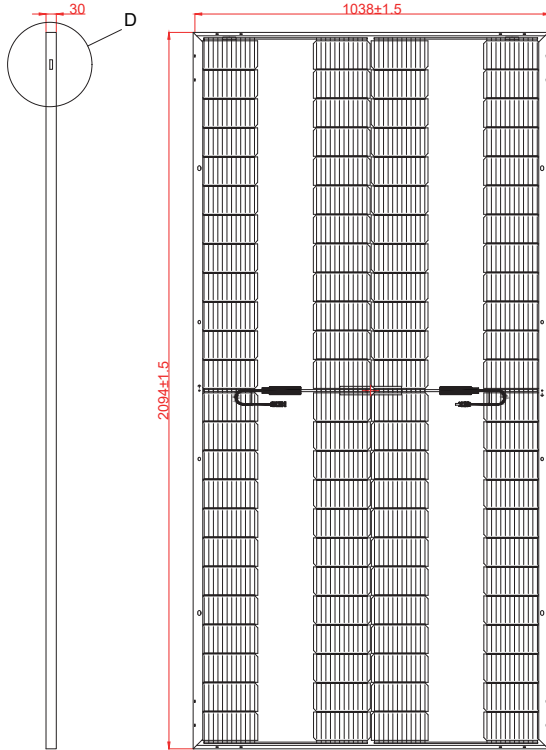
# Himalaya M6 Series 300-320W

96-cell Bifacial HJT Half Cell Transparent Solar Module



## Engineering Drawings

Unit: mm



## Electrical Characteristics (STC\*)

Model	HS-B96	HS-B96	HS-B96	HS-B96	HS-B96
	DSN300	DSN305	DSN310	DSN315	DSN320
Maximum Power (Pmax)	300W	305W	310W	315W	320W
Module Efficiency (%)	13.9%	14.1%	14.4%	14.6%	14.8%
Optimum Operating Voltage (Vmp)	29.59V	29.67V	29.73V	29.81V	29.83V
Optimum Operating Current (Imp)	10.14A	10.28A	10.43A	10.57A	10.73A
Open Circuit Voltage (Voc)	35.51V	35.63V	35.68V	35.79V	35.83V
Short Circuit Current (Isc)	10.64A	10.78A	10.94A	11.08A	11.24A
Operating Module Temperature	-40 to +85 °C				
Maximum System Voltage	DC1500V (IEC)				
Maximum Series Fuse	20A				
Power Tolerance	0~+5W				
Bifaciality	90% ± 5%				

\*STC: Irradiance 1000 W/m<sup>2</sup>, cell temperature 25 °C, AM=1.5. Tolerance of Pmax is within +/- 3%.

## BSTC\*\*

Maximum Power (Pmax)	340W	345W	350W	355W	360W
Optimum Operating Voltage (Vmp)	29.59V	29.67V	29.73V	29.81V	29.83V
Optimum Operating Current (Imp)	11.50A	11.63A	11.78A	11.91A	12.07A
Open Circuit Voltage (Voc)	35.51V	35.63V	35.68V	35.79V	35.83V
Short Circuit Current (Isc)	12.06A	12.19A	12.35A	12.49A	12.65A

\*\*BSTC: Front side irradiation 1000W/m<sup>2</sup>, back side reflection irradiation 135W/m<sup>2</sup>, AM=1.5, ambient temperature 25 °C.

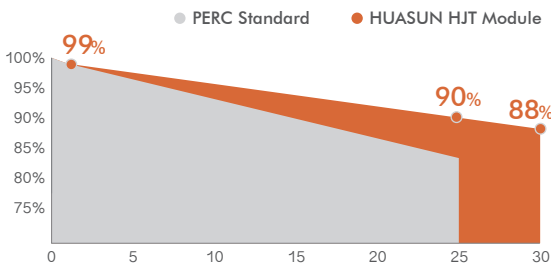
## Temperature Characteristics

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 166 × 83mm
Cell Connection	96 (4 × 24)
Module Dimension	2094 × 1038 × 5 mm
Weight	28 kg
Junction Box	IP68
Output Cable	4mm <sup>2</sup> , 1200mm in length, length can be customized / UV resistant
Connectors Type	MC4 original
Frame	Anodised aluminum alloy
Front Load	5400 Pa
Rear Load	2400 Pa
Glass Thickness	(F/B) 2.0mm anti-reflective surface solar glass

## Shipping Configurations

	HC	GP
Container Size	40'	20'
Pallets Per Container	22	5
Modules Per Pallet (pcs)	36	36
Modules Per Container (pcs)	792	180

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