

Himalaya M6 Black Series

380-400W

120-cell Bifacial HJT Half cell
Double-glass Solar Module

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.



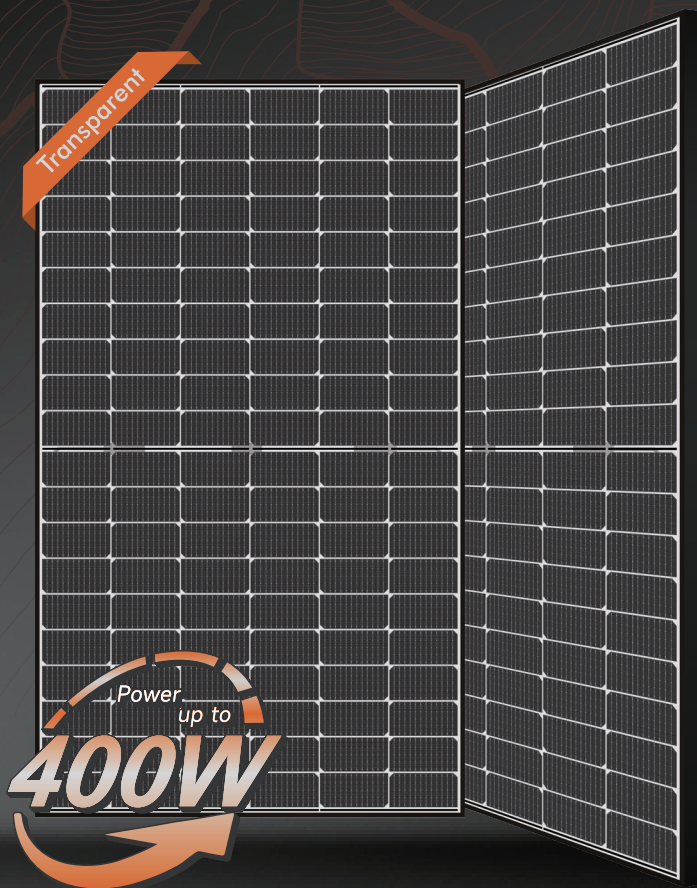
High reliability

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



Ideal choice for residential

Small size, flexibly fitting various rooftops



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.



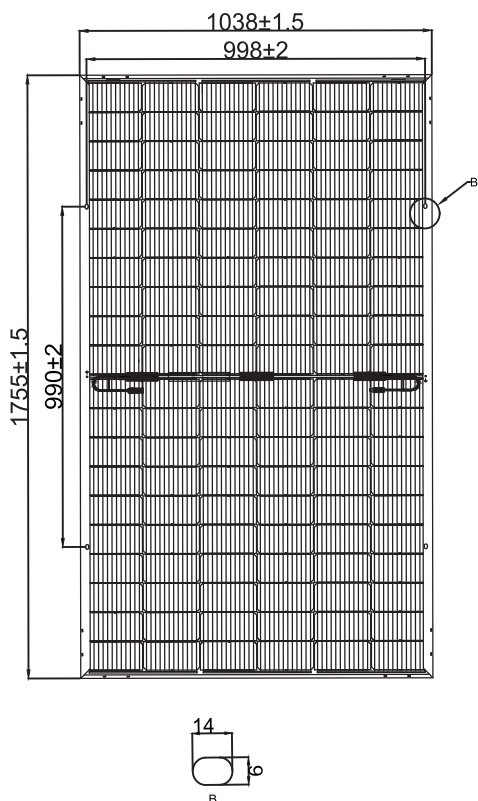
Himalaya M6 Black Series 380-400W

120-cell Bifacial HJT HCC Solar Module



Engineering Drawings

Unit: mm



Electrical Characteristics (STC*)

Model	HS-B120	HS-B120	HS-B120	HS-B120	HS-B120
	DSN380	DSN385	DSN390	DSN395	DSN400
Maximum Power (Pmax)	380W	385W	390W	395W	400W
Module Efficiency (%)	20.86%	21.13%	21.41%	21.68%	21.96%
Optimum Operating Voltage (Vmp)	37.09V	37.15V	37.23V	37.32V	37.43V
Optimum Operating Current (Imp)	10.27A	10.37A	10.49A	10.60A	10.70A
Open Circuit Voltage (Voc)	44.47V	44.57V	44.67V	44.77V	44.87V
Short Circuit Current (Isc)	10.72A	10.82A	10.92A	11.02A	11.12A
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/m², cell temperature 25 °C, AM=1.5, Tolerance of Pmax is within +/- 3%.

BSTC**

Maximum Power (Pmax)	425W	430W	435W	440W	445W
Optimum Operating Voltage (Vmp)	38.49V	38.70V	38.87V	39.18V	39.50V
Optimum Operating Current (Imp)	11.13A	11.18A	11.22A	11.28A	11.32A
Open Circuit Voltage (Voc)	45.61V	45.88V	46.21V	46.84V	47.54V
Short Circuit Current (Isc)	11.54A	11.58A	11.61A	11.64A	11.66A

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

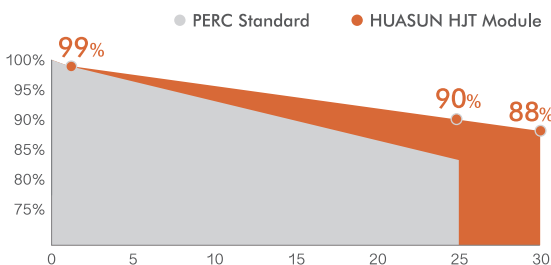
Temperature Characteristics

Nominal Operating Cell Temp. (NOCT)	44 °C ± 2 °C
Temperature 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 x 83 mm
Cell Connection	120 (60 × 2)
Module Dimension	1755 x 1038 × 30 mm
Weight	23.5 kg
Junction Box	IP68
Output Cable	4mm ² , 1200mm in length, length can be customized / UV Resistant
Connectors Type	MC4 original
Frame	Anodised aluminum alloy (Black)
Encapsulant	EPE
Front Load	5400 Pa
Rear Load	2400 Pa
Glass Thickness	(F) 2.0mm Anti-reflective solar glass (B) 2.0mm solar glass

Shipping Configurations

	HC	GP
Container Size	40'	20'
Pallets Per Container	26	6
Modules Per Pallet (pcs)	36	36
Modules Per Container (pcs)	936	216

ANHUI HUASUN ENERGY CO., LTD.

HS-166-B120DSN-V202301

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