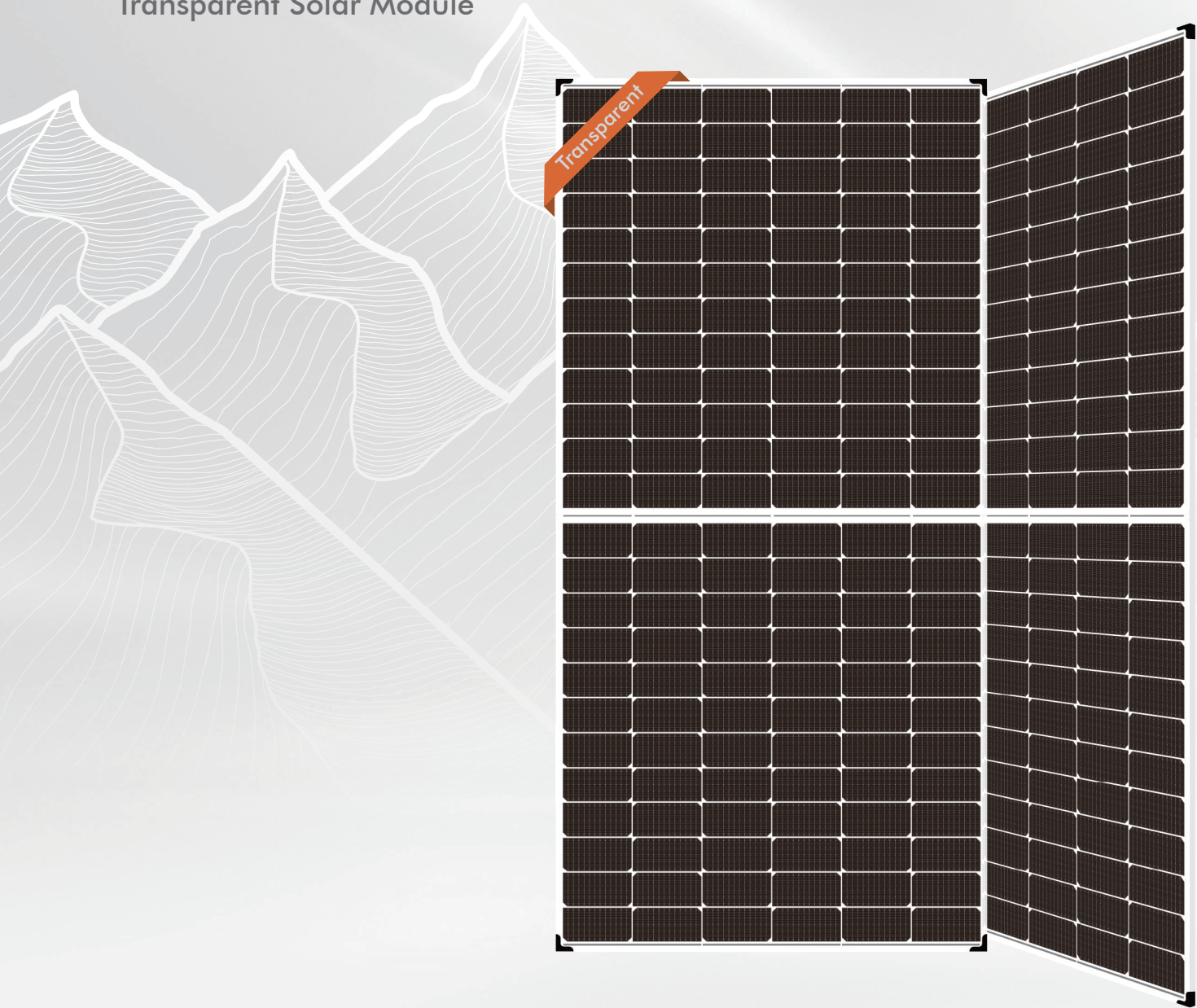


Himalaya M6 Frameless Series

460-480W

144-cell Bifacial HJT Frameless
Transparent Solar Module



HJT

Heterojunction
Technology

M
SMBB

SMBB Half-Cut
Cell Technology



Up to 95% Bifaciality



PIB Technology*



Reliable · Durable
· Sustainable

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

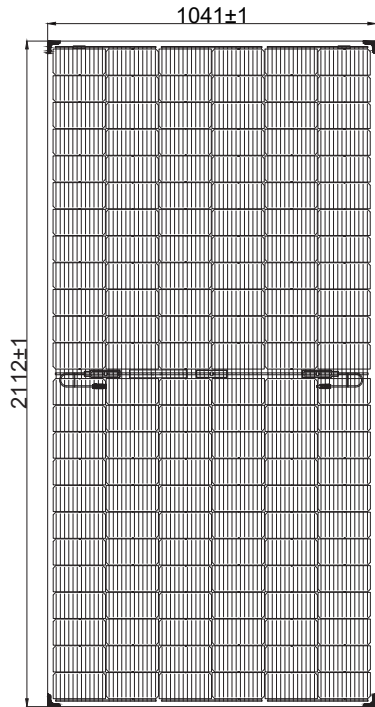
Himalaya M6 Frameless Series 460-480W

144-cell Bifacial HJT Frameless transparent Solar Module



Engineering Drawings

Unit: mm



Electrical Characteristics (STC*)

Model	HS-B144	HS-B144	HS-B144	HS-B144	HS-B144
	DNN460	DNN465	DNN470	DNN475	DNN480
Maximum Power (Pmax)	460W	465W	470W	475W	480W
Module Efficiency (%)	20.92%	21.15%	21.38%	21.60%	21.83%
Optimum Operating Voltage (Vmp)	44.57V	44.63V	44.69V	44.75V	44.81V
Optimum Operating Current (Imp)	10.34A	10.43A	10.53A	10.63A	10.73A
Open Circuit Voltage (Voc)	53.48V	53.58V	53.68V	53.78V	53.88V
Short Circuit Current (Isc)	10.84A	10.94A	11.04A	11.14A	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/m², cell temperature 25 °C, AM=1.5. Tolerance of Pmax is within +/- 3%.

BSTC**

Maximum Power (Pmax)	515W	520W	525W	530W	535W
Optimum Operating Voltage (Vmp)	46.44V	46.64V	46.84V	47.04V	47.24V
Optimum Operating Current (Imp)	11.19A	11.23A	11.27A	11.31A	11.35A
Open Circuit Voltage (Voc)	54.66V	54.92V	55.37V	55.97V	56.63V
Short Circuit Current (Isc)	11.58A	11.61A	11.64A	11.66A	11.69A

**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

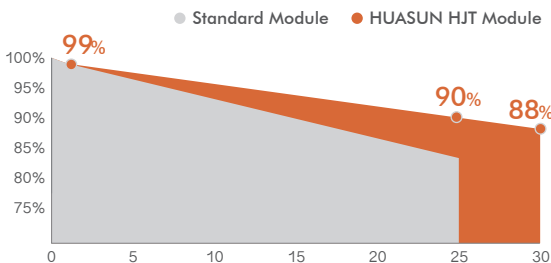
Mechanical Characteristics

Cell Type	HJT Mono 166 × 83mm
Cell Connection	144 (6 × 24)
Module Dimension	2112 × 1041 × 5 mm
Weight	25.5 kg
Junction Box	IP68
Output Cable	4mm ² , 1500mm in length, length can be customized / UV Resistant
Connectors Type	MC4 Compatible
Encapsulant	EPE
Front Load	3600 Pa
Rear Load	2400 Pa
Glass Thickness	(F/B) 2.0mm Anti-reflective surface Solar glass

Safety & Warranty

Safety Class	Class II
Product Warranty	15 yrs Workmanship
Performance Warranty	30 yrs Linear Warranty*

* 1st year 99%, after 2nd year 0.375% annual degradation to year 30.



* Refer to HUASUN standard warranty for details

Shipping Configurations

	HC	GP
Container Length	40'	20'
Pallets Per Container	20	5
Modules Per Pallet (pcs)	36	33
Modules Per Container (pcs)	720	165

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