



Himalaya M6 Series 460-480W

144-cell Bifacial HJT Half Cell Double-glass Solar Module



Heterojunction Technology

The next generation mainstream high-efficiency solar cell technology.



-0.24%/°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

Natrual symmetrical bifacial structure bringing more energy yield from the backside.



Sealing with PIB based sealant

Stronger water resistance, greater air impermeability to extent module lifespan.



High reliability

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



Suitable for Commercial rooftops and Utility projects

WARRANTY

Product Warranty

15 years

Linear Power Warranty 30 years











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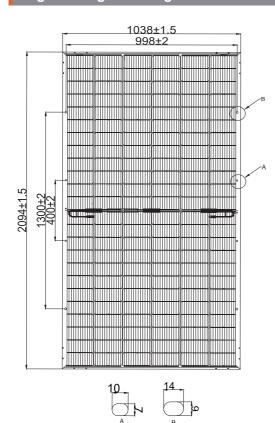
144-cell Bifacial HJT Half Cell Solar Module

• BloombergNEF Tier 1 PV module manufacturer

 $80\% \pm 5\%$

Reinsurance underwritten by Ariel Re

Engineering Drawings



Electrical Characteristics (STC*)						
Model		HS-B144	HS-B144	HS-B144	HS-B144	HS-B144
		DS460	DS465	DS470	DS475	DS480
Maximum Power (Pr	max)	460W	465W	470W	475W	480W
Module Efficiency	(%)	21.16%	21.39%	21.62%	21.85%	22.08%
Optimum Operating Voltage (V	/mp)	45.24V	45.44V	45.66V	45.86V	46.08V
Optimum Operating Current (lmp)	10.18A	10.24A	10.30A	10.36A	10.43A
Open Circuit Voltage (Voc)	53.22V	53.35V	53.48V	53.61V	53.74V
Short Circuit Current	(Isc)	10.58A	10.64A	10.70A	10.76A	10.82A
Operating Module Temperature				-40 to +85 °C		
Maximum System Voltage			D	C1500V (IEC	:)	
Maximum Series Fuse		20A				
Power Tolerance				0~+5W		

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

BSTC**						
Maximum Power (Pmax)	510W	515W	520W	525W	530W
Optimum Operating Voltage	(Vmp)	46.20V	46.40V	46.60V	46.80V	47.00V
Optimum Operating Current	(Imp)	11.14A	11.19A	11.24A	11.29A	11.34A
Open Circuit Voltage	(Voc)	54.33V	54.73V	55.33V	55.93V	56.53V
Short Circuit Current	(Isc)	11.53A	11.57A	11.61A	11.65A	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	-0.24%/°C		
Temperature Coefficient of Voc	-0.24%/°C		
Temperature Coefficient of Isc	0.04%/°C		

Safety & Warranty Safety Class 15 yrs Workmanship Product Warranty

30 yrs Linear Warranty*

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* Less than 1% attenuation in the 1st year, the annual attenuation from the 2nd year is	no no
more than 0.375%, and the power is no less than 88% until the 30th year.	

PERC Standard

Cell Type	HJT Mono 166×83mm
Cell Connection	144 (6×24)
Module Dimension	2094×1038×30 mm
Weight	27.5 kg
Junction Box	IP68
Output Cable	4mm ² , 300mm in length, length can be customized / UV resistant
Connectors Type	MC4-Evo 2A/ PV-H4/ Z4S-abcd/ ST4
Frame	Anodised aluminum alloy
Front Load	5400 Pa
Rear Load	2400 Pa
Glass Thickness	Double glass, 2.0mm

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100%						
95%					90%	
90%					0 70	88%
85%						
80%						
75%						
0	5	10	15	20	25	30
* Refer to HUASUI	N standard	d warranty for detai	ls			

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			

ANHUI HUASUN ENERGY CO., LTD.

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Performance Warranty



