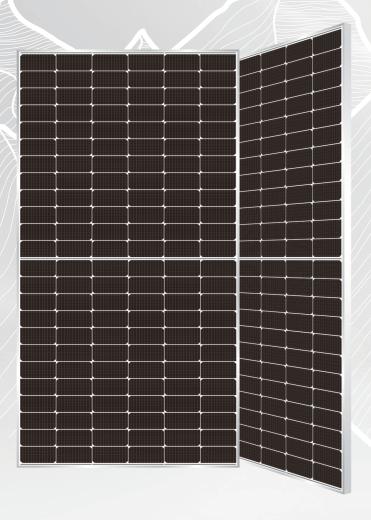
HJTM6480W

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







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

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





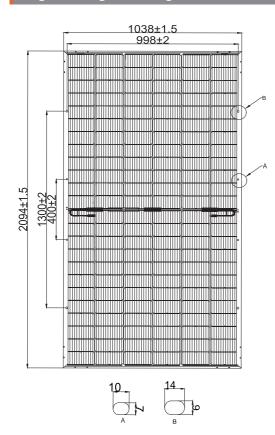


HJTM6480W



144-cell Bifacial HJT Half Cell Solar Module

Engineering Drawings



Electrical Characteristics (STC*

HJTM6480W		TG460	TG465	TG470	TG475	TG480
Maximum Power	(Pmax)	460W	465W	470W	475W	480W
Module Efficiency	(%)	21.16%	21.39%	21.62%	21.85%	22.08%
Optimum Operating Voltage	(Vmp)	45.24V	45.44V	45.66V	45.86V	46.08V
Optimum Operating Current	(Imp)	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		DC1500V (IEC)				
Maximum Series Fuse		20A				
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**						
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)	$44^{\circ}\text{C} \pm 2^{\circ}\text{C}$	
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*		

more than 0.375%, and the power is no less than 88% until the 30th year.



Mechanical Characteristics HJT Mono 166×83mm Cell Type Cell Connection 144 (6×24) 2094×1038×30 mm Module Dimension Weight 27.5 kg Junction Box IP68 Output Cable 4mm², 300mm in length, length can be customized / UV resistant MC4 original / MC4 compatible Connectors Type Anodised aluminum alloy Frame Encapsulant 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		22	5		
Modules Per Pallet	(pcs)	36	36		
Modules Per Container	(pcs)	792	180		

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