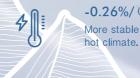
HJTG10600W

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



HJT 3.0

Combining gettering process and double-sided μ c-Si to maximize cell efficiency and module power.



-0.26%/°C Pmax temperature coefficient More stable power generation performance and even better in



Small Chamfer Design Bigger power generation area on the solar cell, increasing 1% cell power of single piece.



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.



Higher reliability

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



Suitable for Utility Solar projects

CE

The specification and key features described in this datasheet may deviate slightly and are not guaranteed. TENGYING serves 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 bidding contract made by the parties governing all transactions related to the purchase and sale of the products described herein

WARRANTY

Power

up to







Product

Warranty





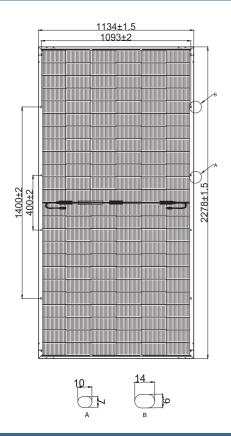
HJTG10600W

TENGYING

144-cell Bifacial HJT Half Cell Solar Module

Unit: mm

Engineering Drawings



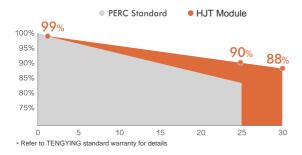
Temperature Characteristics

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.



Tengying New Energy Technology Co., Ltd

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Electrical Characteristics (STC*)

			· · ·			
HJTG10600W		TG580	TG585	TG590	TG595	TG600
Maximum Power (P	'max)	580W	585W	590W	595W	600W
Module Efficiency	(%)	22.45%	22.65%	22.84%	23.03%	23.23%
Optimum Operating Voltage ((Vmp)	45.00V	45.21V	45.42V	45.63V	45.84V
Optimum Operating Current	(Imp)	12.89A	12.94A	12.99A	13.04A	13.09A
Open Circuit Voltage	(Voc)	53.92V	54.12V	54.31V	54.50V	54.70V
Short Circuit Current	(Isc)	13.35A	13.40A	13.45A	13.50A	13.55A
Operating Module Temperature		-40 to +85 °C				
Maximum System Voltage			D	C1500V (IEC)	
Maximum Series Fuse		25A				
Power Tolerance		0~+5W				
Bifaciality		85%±5%				
*0TO In 1000 W/m2 - 11 hours		0 AM 45 T		inter 1 000		

*STC: Irradiance 1000 W/m², cell temperature 25 °C, AM=1.5. Tolerance of Pmax is within +/- 3%

(Pmax)	640W	645W	650W	655W	660W
(Vmp)	45.00V	45.21V	45.42V	45.63V	45.84V
(Imp)	14.23A	14 <u>.</u> 27A	14.32A	14.36A	14.40A
(Voc)	53.92V	54.12V	54.31V	54.50V	54.70V
(Isc)	14.73A	14.77A	14.82A	14.86A	14.91A
	(Vmp) (Imp) (Voc)	(Vmp) 45.00V	(Vmp) 45.00V 45.21V (Imp) 14.23A 14.27A (Voc) 53.92V 54.12V	(Vmp) 45.00V 45.21V 45.42V (Imp) 14.23A 14.27A 14.32A (Voc) 53.92V 54.12V 54.31V	(Vmp) 45.00V 45.21V 45.42V 45.63V (Imp) 14.23A 14.27A 14.32A 14.36A (Voc) 53.92V 54.12V 54.31V 54.50V

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

Mechanical Characteristics

Cell Type	HJT Mono 182×91.75mm
Cell Connection	144 (6×24)
Module Dimension	2278×1134×30 mm
Weight	32 kg
Junction Box	IP68
Output Cable	4mm ² , 300mm in length, length can be customized / UV resistant
Connectors Type	MC4 original / MC4 compatible
Frame	Anodised aluminum alloy
Front Load	5400 Pa
Rear Load	2400 Pa
Glass Thickness	Double glass, 2.0mm

Shipping Configurations

		HC
Container Size		40'
Pallets Per Container		20
Modules Per Pallet	(pcs)	36
Modules Per Container	(pcs)	720

🖷 No.155 Xuezhi Road, Shapingba District, Chongqing, China

manager@tyeenergy.com