

HJTG10450WFB



SUPER LIGHT FULL BLACK HJT MODULE

Ideal for _____
Residential Rooftops

Light Weight **22kg**



Module power up to **450w**



1.6mm
Glass



Full Black



Stronger
Frame



The specification and key features described in this datasheet may deviate slightly and are 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 binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.

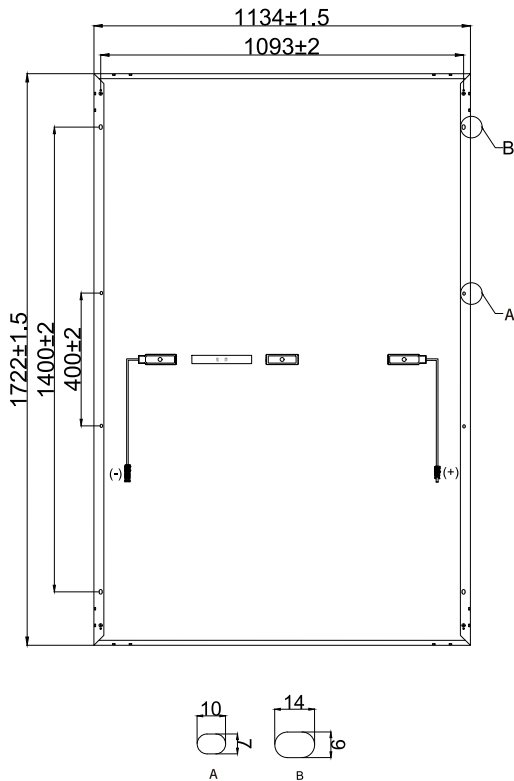
HJTG10450WFB



108-cell HJT Black Solar Module/Best Choice for Residential

Engineering Drawings

Unit: mm



Electrical Characteristics (STC*)

HJTG10450WFB	TF430	TF435	TF440	TF445	TF450
Maximum Power (P _{max})	430W	435W	440W	445W	450W
Module Efficiency (%)	22.02%	22.28%	22.53%	22.79%	23.04%
Optimum Operating Voltage (V _{mp})	34.60V	34.86V	35.12V	35.38V	35.63V
Optimum Operating Current (I _{mp})	12.43A	12.48A	12.53A	12.58A	12.63A
Open Circuit Voltage (V _{oc})	41.37V	41.64V	41.91V	42.18V	42.44V
Short Circuit Current (I _{sc})	12.95A	13.00A	13.05A	13.10A	13.15A
Operating Module Temperature	-40 ~ +85 °C				
Maximum System Voltage	DC1500V (IEC)				
Maximum Series Fuse	25A				
Power Tolerance	0~+5W				

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

NOCT**

Maximum Power (P _{max})	327W	331W	335W	338W	342W
Optimum Operating Voltage (V _{mp})	32.64V	32.91V	33.17V	33.34V	33.60V
Optimum Operating Current (I _{mp})	10.02A	10.06A	10.10A	10.14A	10.18A
Open Circuit Voltage (V _{oc})	39.48V	39.74V	40.00V	40.26V	40.50V
Short Circuit Current (I _{sc})	10.44A	10.48A	10.52A	10.56A	10.60A

**NOCT: Irradiance 800W/m², Ambient Temperature 20 °C, Wind Speed 1m/s.

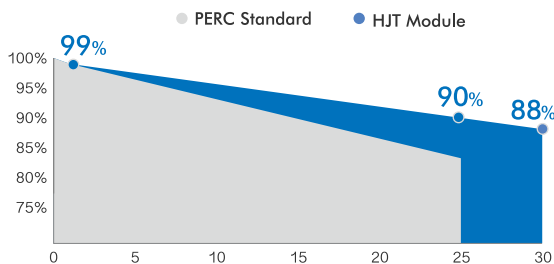
Temperature Characteristics

Nominal Operating Cell Temp. (NOCT)	44 °C ± 2 °C
Temperature Coefficient of P _{max}	-0.26%/°C
Temperature Coefficient of V _{oc}	-0.24%/°C
Temperature Coefficient of I _{sc}	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 182 × 91.75mm
Cell Connection	108 (6 × 18)
Module Dimension	1722 x 1134 x 30 mm
Weight	22 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
Front Load	5400 Pa
Rear Load	2400 Pa
Glass Thickness	Double glass, 1.6mm

Shipping Configurations

Container Size	HC
Pallets Per Container	40'
Modules Per Pallet (pcs)	26
Modules Per Container (pcs)	36
	936

Tengying New Energy Technology Co.,Ltd

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