

EFFICIENT POWER GENERATION PURSUIT OF EXCELLENCE

ZY-HD-660-680-GBMA N-HJT Double-glass module

Mono-crystalline series module, the selection of the best quality N-type mono crystal cell and production process. Professional technology and reliable quality, provide excellent guarantee for the system power generation .



High temperature resistance

Double glass module have stronger wear resistance and corrosion resistance,with almost zero water permeability. The fire resistance level has also been upgraded from C level of ordinary crystalline silicon module to A level.



High power density

The new generation of mono crystalline series products achieves high power output by reducing resistance loss.



Adaptability to harsh environments

The symmetrical structure has better mechanical strength , is not easy to produce hidden cracks in the cell, and ensures long-term reliability in various climatic conditions.



Weak light absorption

Not only absorbing straight light, but also having excellent low radiation performance, HJT extends the power generation time.

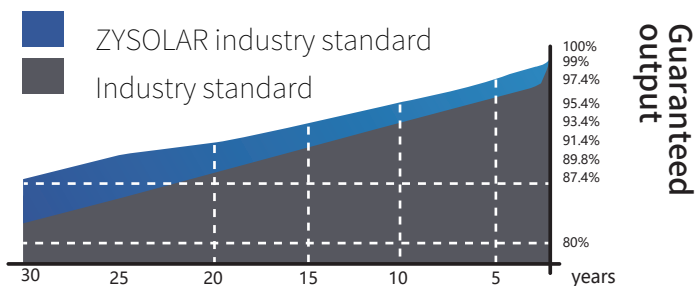
0-5W Plus tolerance

12 years Product warranty

30 years Linear power guarantee

QUALIFICATION AND CERTIFICATION

IEC 61215, IEC 61730, CE, CQC
 ISO 9001: 2015; ISO 14001: 2015;
 ISO 45001: 2018



Electrical performance parameters under standard test conditions (STC)

Peak power	Pmax	660Wp	665Wp	670Wp	675Wp	680Wp
Optimum operating current	Vmp	41.68V	41.87V	42.06V	42.25V	42.44V
Optimum operating voltage	Imp	15.87A	15.91A	15.96A	16.00A	16.05A
Open-circuit voltage	Voc	48.65V	48.71V	48.78V	48.84V	48.91V
Short-circuit current	Isc	16.67A	16.75A	16.83A	16.91A	16.98A
Component efficiency	%	21.25%	21.41%	21.57%	21.73%	21.89%
Working temperature fan guo	°C	-40°C ~ +85°C				
Maximum system voltage	IEC	1000/1500VDC (IEC)				
Maximum rated fuse current	A	25A				
Output power tolerance	%	0 ~ +5%				

Configuration parameter

Cell type	N-type HJT half cell
Maximum number of insured half-piece batteries	132 (2*66)
Length	2384mm
Height	1303mm
Thickness	35mm
Weight	38.5kg
Upper surface glass material	2.0 mm, high-permeable coated glass
Frame	Anodized aluminum alloy
Connecting box	Protection level: IP68
Output wire	TüV1×4.0mm ²
Lead length	(+): 300mm, (-): 300mm; or customized

Flat-bed car transport loading capacity

Motorcycle type	Number of loading
40 HQ	18 pallet/car 558 pieces/car

Package standard

Size per carrier (mm)	Each pack of modules
1320*1130*2500	31 pieces/pallet

*logistics company shall be subject to it, and it is for the reference only. unit: mm

Temperature characteristic

Pmax temperature	Pmax	-0.29%/°C
Voc temperature	Voc	-0.25%/°C
Isc temperature	Isc	0.045%/°C
NOCT	NOCT	45±2 °C

*Due to ongoing innovation, research and product upgrades, the contents of this product specification are subject to change without prior notice, these contents may be slightly deviated, and their contents are not guaranteed.

*This data is not specific to a single module, nor is it part of the sale, but is used to compare different models of module. When it comes to technical changes and specific explanations of test conditions, the Company reserves the right of final interpretation.