

# TIGER Neo

## 72HL4-BDV 575-600 Watt

### N-type



### N-type Technology

N-type modules with Tunnel Oxide Passivating Contacts (TOPcon) technology offer lower LID/LeTID degradation and better low light performance.



### HOT 3.0 Technology

N-type modules with Jinko Solar's HOT3.0 technology offer better reliability and efficiency.



### SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



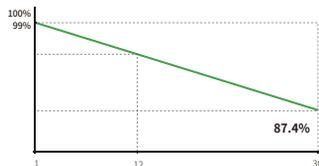
### Mechanical Load Enhanced

Certified to withstand:  
5400 Pa front side max static test load  
2400 Pa rear side max static test load



### Anti-PID Guarantee

Minimize the chance of degradation caused by PID phenomena through optimization of cell production technology and material control.



12 Year  
Warranty

30 Year  
Warranty

1%  
Linear  
Degradation

0.40%  
Power Loss

- IEC61215:2021 / IEC61730:2023
- IEC61701 / IEC62716 / IEC60068 / IEC62804
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems



JKM575-600N-72HL4-BDV-F9-EN

## Mechanical Characteristics

Cell Type	N- type Mono-crystalline
No. of cells	144 (72×2)
Dimensions	2278×1134×30 mm
Weight	31.0 kg
Frame	Anodized Aluminium Alloy IP68 Rated
Junction Box	Class II
Protection Class	Class C
IEC Fire Type	JK03M/MC4/Others
Connector Type	4.0 mm2
Output Cables	(+): 400 mm , (-): 200 mm or Customized Length

## Packaging Configuration

Pallet Dimensions	2338×1140×1251mm
Packing Detail (Two pallets = One stack)	36 pcs/pallets, 72 pcs/stack, 720 pcs/ 40'HQ Container

## Specifications (STC)

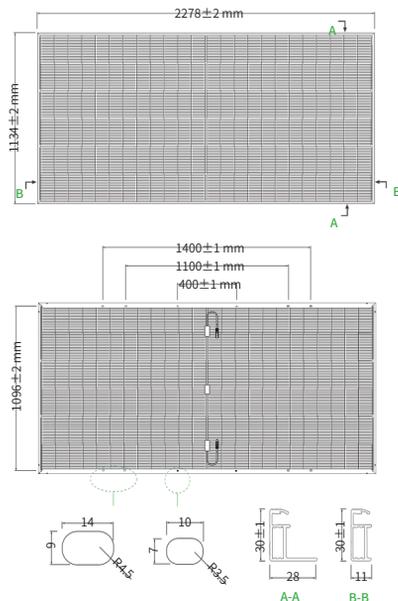
Maximum Power - Pmax [Wp]	575	580	585	590	595	600
Maximum Power Voltage - Vmp [V]	43.73	43.88	44.02	44.17	44.31	44.45
Maximum Power Current - Imp [A]	13.15	13.22	13.29	13.36	13.43	13.50
Open-circuit Voltage - Voc [V]	52.30	52.50	52.70	52.90	53.10	53.30
Short-circuit Current - Isc [A]	13.89	13.95	14.01	14.07	14.13	14.19
Module Efficiency STC [%]	0%	1%	2%	3%	4%	5%
Power Tolerance						0 ~ +3 %
Temperature Coefficients of Pmax						-0.29 %/°C
Temperature Coefficients of Voc						-0.25 %/°C
Temperature Coefficients of Isc						0.045 %/°C

STC: Irradiance1000W/m2, Cell Temperature25°C, AM=1.5

## Application Conditions

Operating Temperature	-40 °C ~ +70 °C
Maximum System Voltage	1500 VDC (IEC)
Maximum Series Fuse Rating	30 A
Bifaciality Coefficient	φVoc: 98 ± 5 % , φIsc: 80 ± 5 % , φPmax: 80 ± 5 %

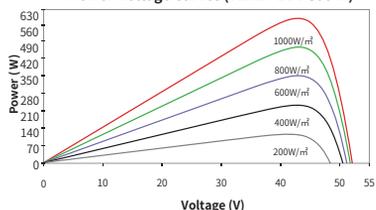
## Engineering Drawings



Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.

## Electrical Performance

Power-Voltage Curves (72HL4-BDV 590 W)



Current-Voltage Curves (72HL4-BDV 590W)

