

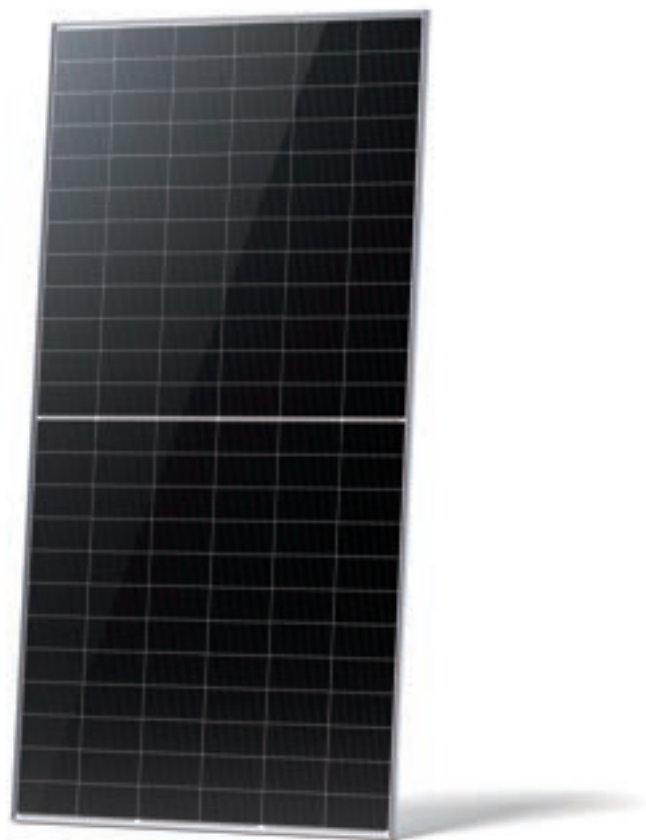
# TIGER Neo

## 72HL4-BDX

### 570-590 Watt

BIFACIAL MODULE WITH DUAL GLASS

N-type



### Mechanical Load Enhanced

Certified to withstand:  
6000 Pa front side max static test load  
4000 Pa rear side max static test load



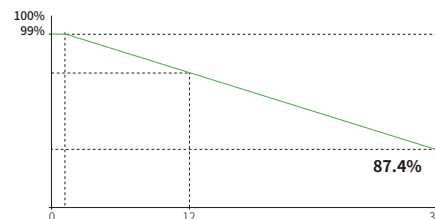
### High Hail Resistance

Pass the 55mm hail resistance test.



### HOT 2.0 Technology

N-type modules with JinkoSolar's HOT 2.0 technology offer better reliability and efficiency.



**12 Year**  
Product Warranty

**30 Year**  
Linear Power  
Warranty

**1%**  
Annual Degradation  
% F H S B E

**0.40%**  
Annual Degradation  
% F H S B E

- IEC61215 (2021) / IEC61730 (2023)
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems



JKM570-590N-72HL4-BDX-F2-EN AU CEC

# 72HL4-BDX 570-590 Watt

## Mechanical Characteristics

|                  |                                                                       |
|------------------|-----------------------------------------------------------------------|
| Cell Type        | N type Mono-crystalline                                               |
| No. of cells     | 144 (72×2)                                                            |
| Dimensions       | 2278×1134×30 mm                                                       |
| Weight           | 37.7 kg                                                               |
| Front Glass      | 2.5 mm, Anti-Reflection Coating                                       |
| Back Glass       | 2.5 mm, Heat Strengthened Glass                                       |
| Frame            | Anodized Aluminium Alloy                                              |
| Junction Box     | IP68 Rated                                                            |
| Protection Class | Class II                                                              |
| IEC Fire Type    | Class C                                                               |
| Connector Type   | Jinko material:JK03M; JK03M2; Stäubli: MC4-EVO2;                      |
| Output Cables    | 4.0 mm <sup>2</sup><br>(+): 400 mm , (-): 200 mm or Customized Length |

## Packaging Configuration

|                             |                                                           |
|-----------------------------|-----------------------------------------------------------|
| ( Two pallets = One stack ) | 2338×1140×1251 mm                                         |
| Packing detail              | 36 pcs/pallets, 72 pcs/stack,<br>612 pcs/ 40'HQ Container |

## Specifications (STC)

|                                              |            |       |       |       |       |
|----------------------------------------------|------------|-------|-------|-------|-------|
| Maximum Power - P <sub>max</sub> [Wp]        | 570        | 575   | 580   | 585   | 590   |
| Maximum Power Voltage - V <sub>mp</sub> [V]  | 43.58      | 43.73 | 43.88 | 44.02 | 44.17 |
| Maximum Power Current - I <sub>mp</sub> [A]  | 13.08      | 13.15 | 13.22 | 13.29 | 13.36 |
| Open-circuit Voltage - V <sub>oc</sub> [V]   | 52.10      | 52.30 | 52.50 | 52.70 | 52.90 |
| Short-circuit Current - I <sub>sc</sub> [A]  | 13.83      | 13.89 | 13.95 | 14.01 | 14.07 |
| Module Efficiency STC [%]                    | 22.07      | 22.26 | 22.45 | 22.65 | 22.84 |
| Power Measurement Tolerance                  | ± 3%       |       |       |       |       |
| Power Sorting Tolerance                      | 0 ~ +3%    |       |       |       |       |
| Temperature Coefficients of P <sub>max</sub> | -0.29 %/°C |       |       |       |       |
| Temperature Coefficients of V <sub>oc</sub>  | -0.25 %/°C |       |       |       |       |
| Temperature Coefficients of I <sub>sc</sub>  | 0.045 %/°C |       |       |       |       |

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM=1.5

## Specifications (BNPI)

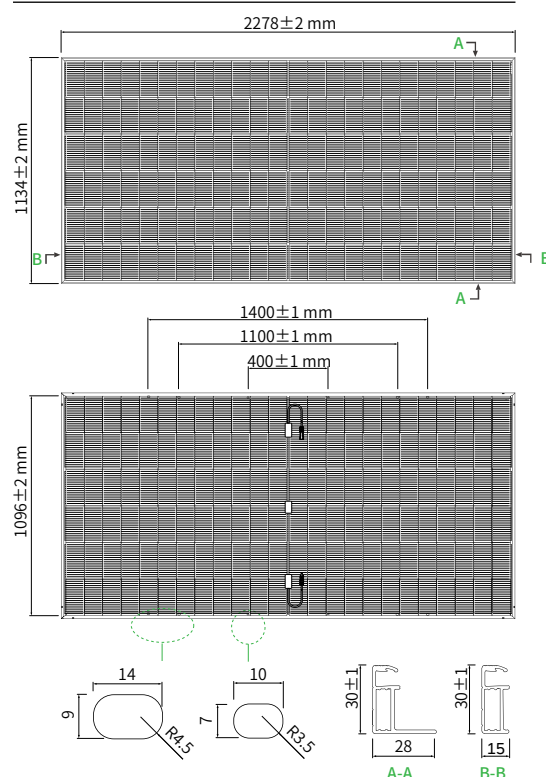
|                                               |          |       |       |       |       |
|-----------------------------------------------|----------|-------|-------|-------|-------|
| Maximum Power - P <sub>max</sub> [Wp]         | 627      | 633   | 638   | 644   | 649   |
| Maximum Power Voltage - V <sub>mp</sub> [V]   | 43.67    | 43.84 | 44.00 | 44.17 | 44.33 |
| Maximum Power Current - I <sub>mp</sub> [A]   | 14.36    | 14.44 | 14.50 | 14.58 | 14.64 |
| Open-circuit Voltage - V <sub>oc</sub> [V]    | 52.13    | 52.33 | 52.53 | 52.73 | 52.93 |
| Short-circuit Current - I <sub>sc</sub> [A]   | 15.13    | 15.19 | 15.25 | 15.31 | 15.37 |
| Short-circuit Current Bifaciality Coefficient | (80±5) % |       |       |       |       |
| Open-circuit Voltage Bifaciality Coefficient  | (98±5) % |       |       |       |       |
| Maximum Power Bifaciality Coefficient         | (80±5) % |       |       |       |       |

BNPI: Irradiance 1000 +  $\phi$ \*135W /m<sup>2</sup>, Cell Temperature 25°C, AM=1.5

## Application Conditions

|                                           |                 |
|-------------------------------------------|-----------------|
| Operating Temperature [°C]                | -40 °C ~ +85 °C |
| Maximum system voltage                    | 1500 VDC (IEC)  |
| Maximum series fuse rating                | 30 A            |
| Nominal operating cell temperature (NOCT) | 45±2 °C         |
| Refer. Bifacial Factor                    | 80±5 %          |

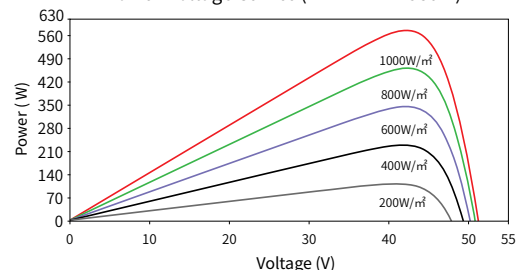
## Engineering Drawings



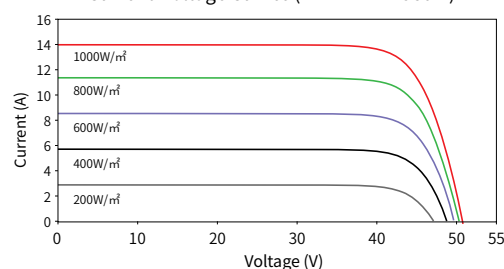
\*For specific dimensions and tolerance ranges, please refer to the corresponding module drawings.

## Electrical Performance

Power-Voltage Curves (72HL4-BDX 580W)



Current-Voltage Curves (72HL4-BDX 580W)



JKM570-590N-72HL4-BDX-F2-EN AU CEC



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NOTE: Please read the safety and installation manual before using the product.  
We reserve the right of final interpretation. The specifications in this  
datasheet are subject to change without notice.

Made in China