

# TIGER Neo

## 72HL4-BDV

570-590 Watt

BIFACIAL MODULE WITH DUAL GLASS

N-type



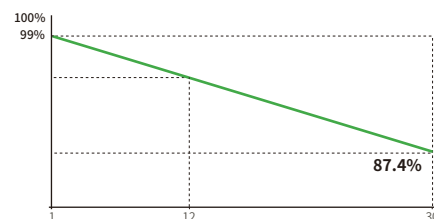
### N-type Technology

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



### HOT 2.0 Technology

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



### Dual-Sided Power Generation

Dual-sided power generation gain increases with backside exposure to light, significantly reducing LCOE.



### Mechanical Load Enhanced

Certified to withstand:

5400 Pa front side max static test load  
2400 Pa rear side max static test load

**12 Year** Product Warranty | **30 Year** Linear Power Warranty | **1%** First-year Degradation | **0.4%** Annual Degradation Over 30 Years

- IEC61215 (2016) / IEC61730 (2016)
- IEC61701 / IEC62716 / IEC60068 / IEC62804
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems



### SMBB Technology

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



### Anti-PID Guarantee

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



POSITIVE QUALITY™  
Continuous Quality Assurance

**JKM570-590N-72HL4-BDV-F8-EN**

# 72HL4-BDV 570-590 Watt

## Mechanical Characteristics

|                  |   |
|------------------|---|
| Cell Type        | N- type Mono-crystalline  |
| No. of cells     | 144 (72×2)  |
| Dimensions       | 2278×1134×30 mm   |
| Weight           | 31.0 kg   |
| Front Glass      | 2.0 mm, Anti-Reflection Coating                                       |
| Back Glass       | 2.0 mm, Heat Strengthened Glass                                       |
| Frame            | Anodized Aluminium Alloy  |
| Junction Box     | IP68 Rated  |
| Protection Class | Class II  |
| IEC Fire Type    | Class C   |
| Output Cables    | 4.0 mm <sup>2</sup><br>(+): 400 mm , (-): 200 mm or Customized Length |

## Packaging Configuration

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

## Specifications (STC)

|                                  |       |            |       |       |       |
|----------------------------------|-------|------------|-------|-------|-------|
| Maximum Power - Pmax [Wp]        | 570   | 575        | 580   | 585   | 590   |
| Maximum Power Voltage - Vmp [V]  | 43.58 | 43.73      | 43.88 | 44.02 | 44.17 |
| Maximum Power Current - Imp [A]  | 13.08 | 13.15      | 13.22 | 13.29 | 13.36 |
| Open-circuit Voltage - Voc [V]   | 52.10 | 52.30      | 52.50 | 52.70 | 52.90 |
| Short-circuit Current - Isc [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 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: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM=1.5

## Specifications (NOCT)

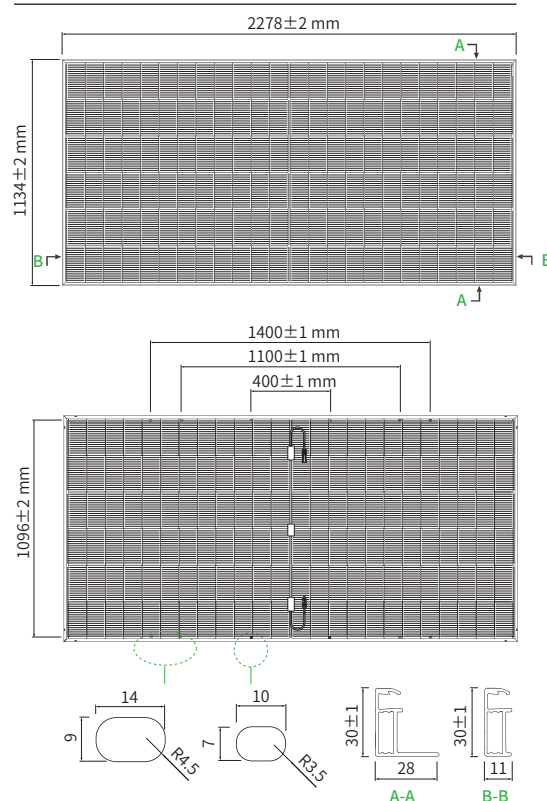
|                                 |       |       |       |       |       |
|---------------------------------|-------|-------|-------|-------|-------|
| Maximum Power - Pmax [Wp]       | 430   | 433   | 437   | 441   | 445   |
| Maximum Power Voltage - Vmp [V] | 40.56 | 40.73 | 40.89 | 41.05 | 41.21 |
| Maximum Power Current - Imp [A] | 10.59 | 10.64 | 10.69 | 10.74 | 10.79 |
| Open-circuit Voltage - Voc [V]  | 49.49 | 49.68 | 49.87 | 50.06 | 50.25 |
| Short-circuit Current - Isc [A] | 11.16 | 11.21 | 11.26 | 11.31 | 11.36 |

NOCT: Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s

## Application Conditions

|  |                 |
|--|-----------------|
| Operating Temperature                    | -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 %        |

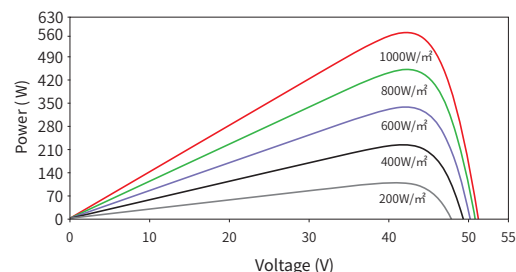
## Engineering Drawings



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

## Electrical Performance

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



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

