

Tiger Neo N-type 72HL4-(V) 565-585 Watt MONO-FACIAL MODULE

N-Type

Positive power tolerance of 0~+3%

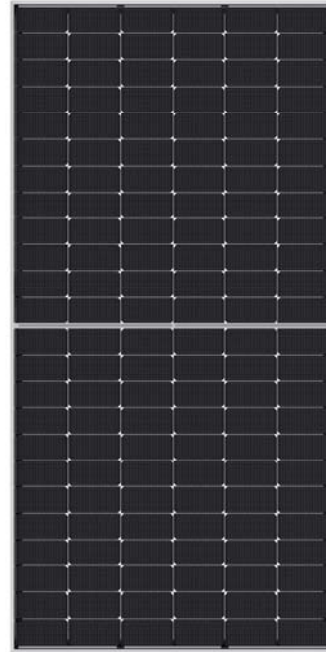
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems



Key Features



SMBB Technology

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



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



Hot 2.0 Technology

The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.

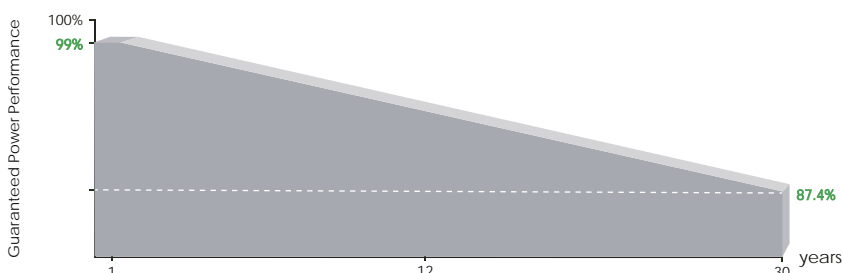


Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



LINEAR PERFORMANCE WARRANTY

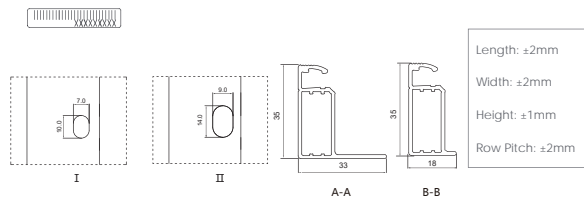
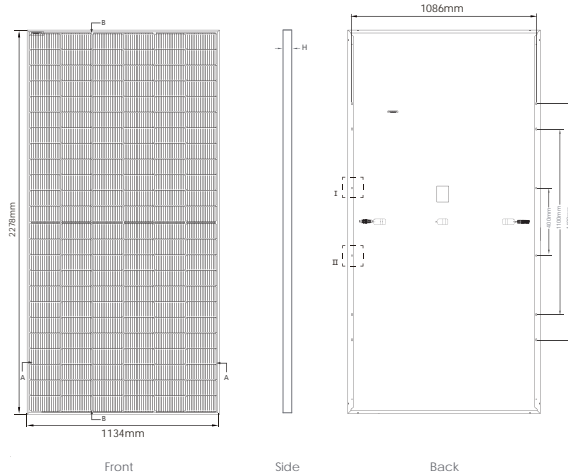


12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings



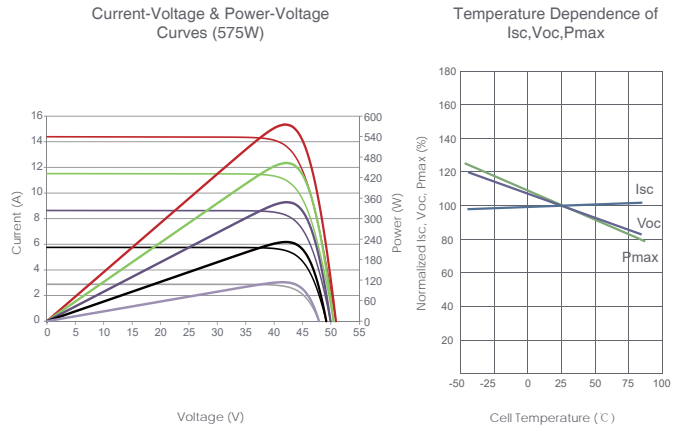
*This tolerance range applies only to the four-angle distance of the module as indicated above.

Packaging Configuration

(Two pallets = One stack)

31pcs/pallets, 62pcs/stack, 620pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

| | |
|---------------|---|
| Cell Type | N type Mono-crystalline |
| No. of cells | 144 (6×24) |
| Dimensions | 2278×1134×35mm (89.69×44.65×1.38 inch) |
| Weight | 28 kg (61.73 lbs) |
| Front Glass | 3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass |
| Frame | Anodized Aluminium Alloy |
| Junction Box | IP68 Rated |
| Output Cables | TUV 1×4.0mm ² (+): 400mm, (-): 200mm or Customized Length |

SPECIFICATIONS

| Module Type | JKM565N-72HL4 JKM565N-72HL4-V | | JKM570N-72HL4 JKM570N-72HL4-V | | JKM575N-72HL4 JKM575N-72HL4-V | | JKM580N-72HL4 JKM580N-72HL4-V | | JKM585N-72HL4 JKM585N-72HL4-V | |
|---|----------------------------------|--------|----------------------------------|--------|----------------------------------|--------|----------------------------------|--------|----------------------------------|--------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (Pmax) | 565Wp | 425Wp | 570Wp | 429Wp | 575Wp | 432Wp | 580Wp | 436Wp | 585Wp | 440Wp |
| Maximum Power Voltage (Vmp) | 41.92V | 39.38V | 42.07V | 39.51V | 42.22V | 39.60V | 42.37V | 39.69V | 42.52V | 39.81V |
| Maximum Power Current (Imp) | 13.48A | 10.79A | 13.55A | 10.85A | 13.62A | 10.92A | 13.69A | 10.99A | 13.76A | 11.05A |
| Open-circuit Voltage (Voc) | 50.60V | 48.06V | 50.74V | 48.20V | 50.88V | 48.33V | 51.02V | 48.46V | 51.16V | 48.60V |
| Short-circuit Current (Isc) | 14.23A | 11.49A | 14.31A | 11.55A | 14.39A | 11.62A | 14.47A | 11.68A | 14.55A | 11.75A |
| Module Efficiency STC (%) | 21.87% | | 22.07% | | 22.26% | | 22.45% | | 22.65% | |
| Operating Temperature(°C) | -40°C ~ +85°C | | | | | | | | | |
| Maximum system voltage | 1000/1500VDC (IEC) | | | | | | | | | |
| Maximum series fuse rating | 25A | | | | | | | | | |
| Power tolerance | 0 ~ +3% | | | | | | | | | |
| Temperature coefficients of Pmax | -0.30%/°C | | | | | | | | | |
| Temperature coefficients of Voc | -0.25%/°C | | | | | | | | | |
| Temperature coefficients of Isc | 0.046%/°C | | | | | | | | | |
| Nominal operating cell temperature (NOCT) | 45±2°C | | | | | | | | | |

*STC: Irradiance 1000W/m² Cell Temperature 25°C

AM=1.5

NOCT: Irradiance 800W/m² Ambient Temperature 20°C

AM=1.5

Wind Speed 1m/s