

# Tiger Neo N-type 72HL4-(V) 555-575 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.

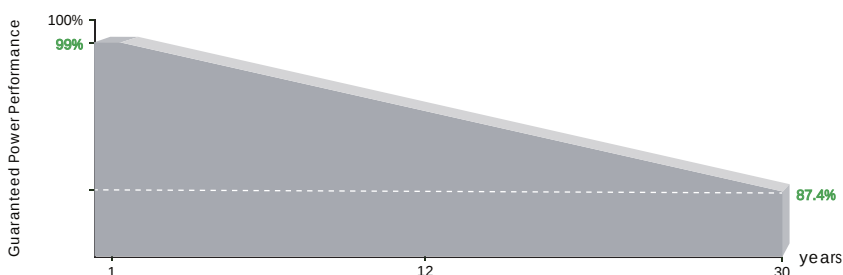


### Enhanced Mechanical Load

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



## LINEAR PERFORMANCE WARRANTY

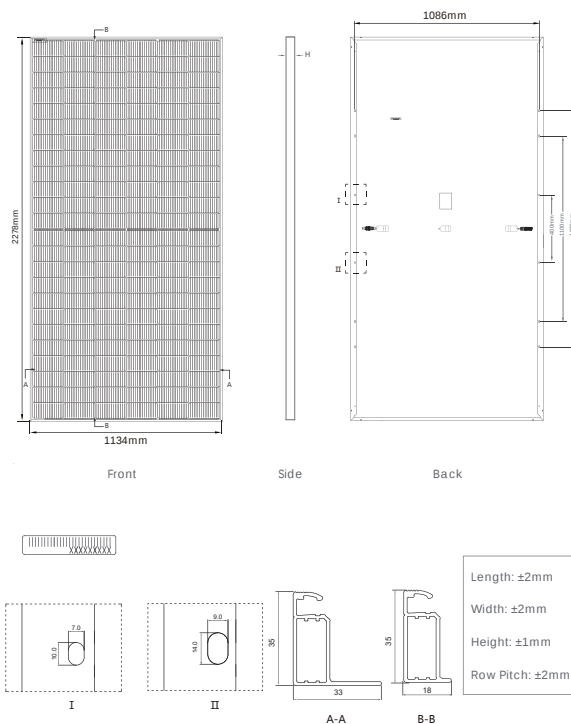


**12** Year Product Warranty

**30** Year Linear Power Warranty

**0.40%** Annual Degradation Over 30 years

## Engineering Drawings

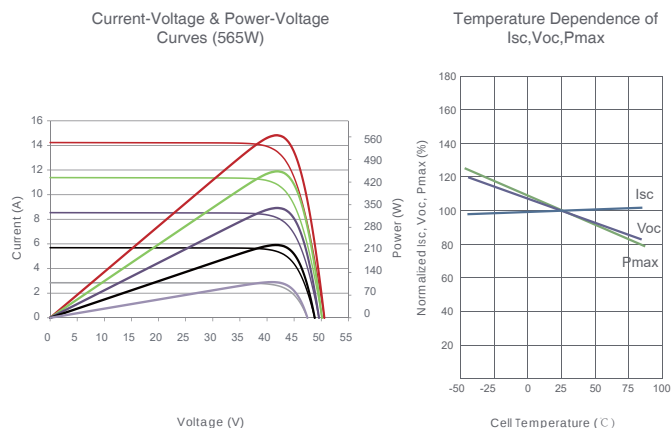


## Packaging Configuration

( 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,<br>High Transmission, Low Iron, Tempered Glass |
| Frame         | Anodized Aluminium Alloy                                                      |
| Junction Box  | IP68 Rated                                                                    |
| Output Cables | TUV 1×4.0mm'<br>(+): 400mm , (-): 200mm or Customized Length                  |

| Module Type                               | JKM555N-72HL4<br>JKM555N-72HL4-V |        | JKM560N-72HL4<br>JKM560N-72HL4-V |        | JKM565N-72HL4<br>JKM565N-72HL4-V |        | JKM570N-72HL4<br>JKM570N-72HL4-V |        | JKM575N-72HL4<br>JKM575N-72HL4-V |        |
|-------------------------------------------|----------------------------------|--------|----------------------------------|--------|----------------------------------|--------|----------------------------------|--------|----------------------------------|--------|
|                                           | STC                              | NOCT   | STC                              | NOCT   | STC                              | NOCT   | STC                              | NOCT   | STC                              | NOCT   |
| Maximum Power (Pmax)                      | 555Wp                            | 417Wp  | 560Wp                            | 421Wp  | 565Wp                            | 425Wp  | 570Wp                            | 429Wp  | 575Wp                            | 432Wp  |
| Maximum Power Voltage (Vmp)               | 41.64V                           | 39.12V | 41.77V                           | 39.25V | 41.92V                           | 39.38V | 42.07V                           | 39.51V | 42.22V                           | 39.60V |
| Maximum Power Current (Imp)               | 13.33A                           | 10.67A | 13.41A                           | 10.73A | 13.48A                           | 10.79A | 13.55A                           | 10.85A | 13.62A                           | 10.92A |
| Open-circuit Voltage (Voc)                | 50.34V                           | 47.82V | 50.47V                           | 47.94V | 50.60V                           | 48.06V | 50.74V                           | 48.20V | 50.88V                           | 48.33V |
| Short-circuit Current (Isc)               | 14.07A                           | 11.36A | 14.15A                           | 11.42A | 14.23A                           | 11.49A | 14.31A                           | 11.55A | 14.39A                           | 11.62A |
| Module Efficiency STC (%)                 | 21.48%                           |        | 21.68%                           |        | 21.87%                           |        | 22.07%                           |        | 22.26%                           |        |
| 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/m<sup>2</sup>  Cell Temperature 25°C

NOCT:  Irradiance 800W/m<sup>2</sup>  Ambient Temperature 20°C

 AM=1.5

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 Wind Speed 1m/s