

# Tiger Neo N-type 54HL4-(V) 410-430 Watt MONO-FACIAL MODULE

N-Type

Positive power tolerance of 0~+3%

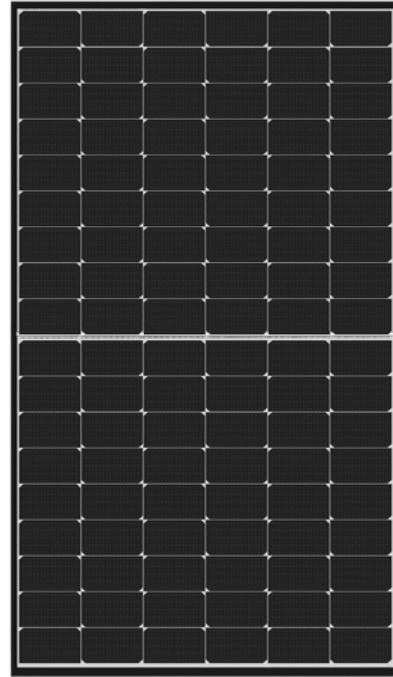
IEC61215(2016), IEC61730(2016)

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.

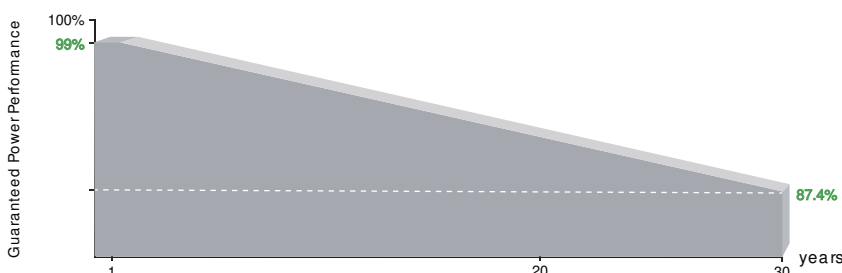


### Enhanced Mechanical Load

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



## LINEAR PERFORMANCE WARRANTY



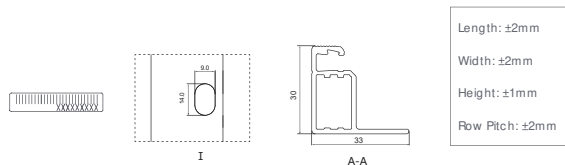
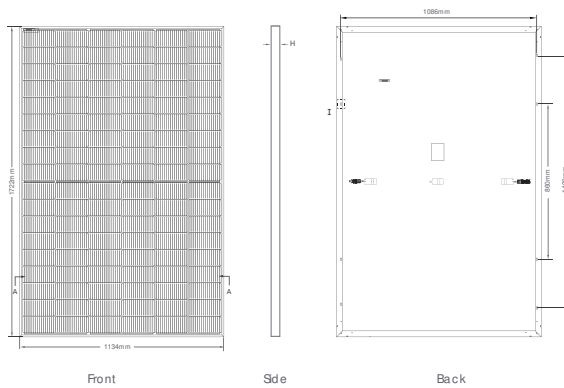
25 Year Product Warranty\*

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

The product warranty is only applicable in Australia.

## Engineering Drawings

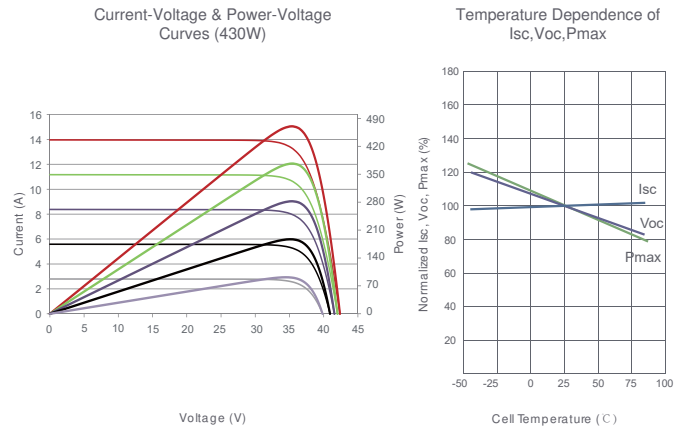


## Packaging Configuration

( Two pallets = One stack )

36pcs/pallets, 72pcs/stack, 936pcs/ 40'HQ Container

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

|               |   |
|---------------|---|
| Cell Type     | N type Mono-crystalline   |
| No. of cells  | 108 (6×18)  |
| Dimensions    | 1722×1134×30mm (67.79×44.65×1.18 inch)                                      |
| Weight        | 22 kg (48.50 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 <sup>2</sup><br>(+): 400mm, (-): 200mm or Customized Length     |

## SPECIFICATIONS

| Module Type                               | JKM410N-54HL4      |        | JKM415N-54HL4 |        | JKM420N-54HL4 |        | JKM425N-54HL4 |        | JKM430N-54HL4 |        |
|---|--------------------|--------|---------------|--------|---------------|--------|---------------|--------|---------------|--------|
|   | STC                | NOCT   | STC           | NOCT   | STC           | NOCT   | STC           | NOCT   | STC           | NOCT   |
| Maximum Power (Pmax)                      | 410Wp              | 308Wp  | 415Wp         | 312Wp  | 420Wp         | 316Wp  | 425Wp         | 320Wp  | 430Wp         | 323Wp  |
| Maximum Power Voltage (Vmp)               | 31.13V             | 29.06V | 31.32V        | 29.21V | 31.51V        | 29.34V | 31.70V        | 29.50V | 31.88V        | 29.63V |
| Maximum Power Current (Imp)               | 13.17A             | 10.61A | 13.25A        | 10.68A | 13.33A        | 10.76A | 13.41A        | 10.83A | 13.49A        | 10.91A |
| Open-circuit Voltage (Voc)                | 37.73V             | 35.84V | 37.92V        | 36.02V | 38.11V        | 36.20V | 38.30V        | 36.38V | 38.49V        | 36.56V |
| Short-circuit Current (Isc)               | 13.91A             | 11.23A | 13.99A        | 11.29A | 14.07A        | 11.36A | 14.15A        | 11.42A | 14.23A        | 11.49A |
| Module Efficiency STC (%)                 | 21.00%             |        | 21.25%        |        | 21.51%        |        | 21.76%        |        | 22.02%        |        |
| 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 AM=1.5  
 NOCT: Irradiance 800W/m<sup>2</sup> Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s