

# Tiger Neo N-type 60HL4-(V) 460-480 Watt MONO-FACIAL MODULE

## N-Type

IEC61215(2016), IEC61730(2016)

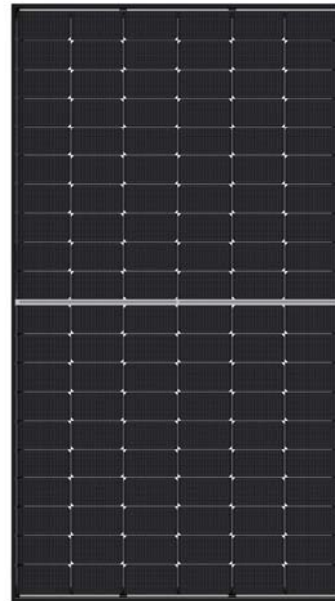
ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems

(Made in China/Malaysia/Vietnam/U.S)



## 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.

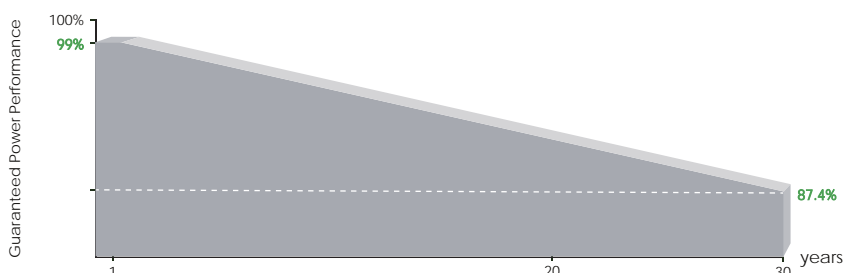


### Enhanced Mechanical Load

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



## LINEAR PERFORMANCE WARRANTY



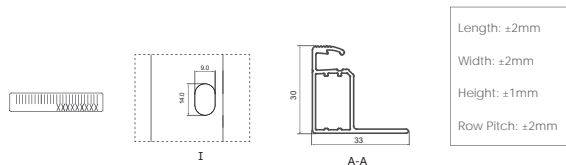
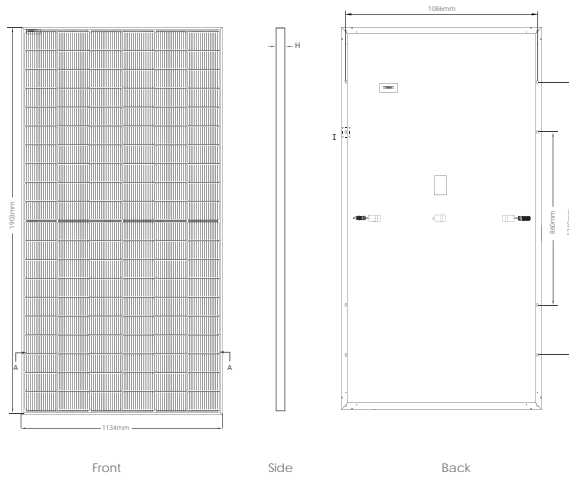
25 Year Product Warranty\*

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

The product warranty is only applicable in Australia.

## Engineering Drawings



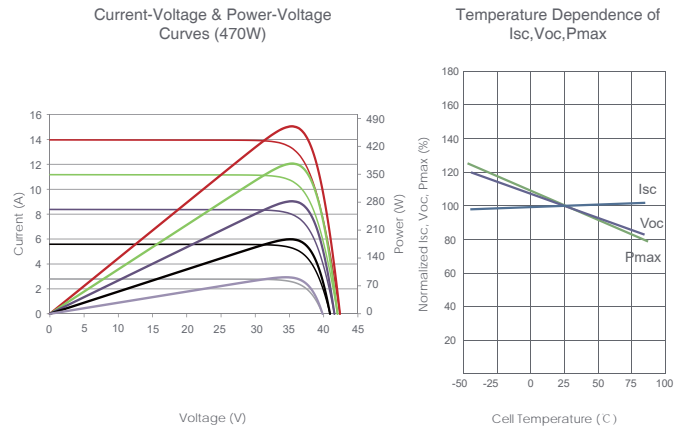
Length: ±2mm  
Width: ±2mm  
Height: ±1mm  
Row Pitch: ±2mm

## Packaging Configuration

(Two pallets = One stack)

35pcs/pallets, 70pcs/stack, 840pcs/ 40'HQ Container

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

|               |   |
|---------------|---|
| Cell Type     | N type Mono-crystalline   |
| No. of cells  | 120 (6×20)  |
| Dimensions    | 1903×1134×30mm (74.92×44.65×1.18 inch)                                      |
| Weight        | 24.2 kg (53.35 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:<br>(+): 400mm, (-): 200mm or Customized Length                 |
| Connector     | JK03M/1B, Genuine MC4   |
| Fire Rating   | Class C   |

## SPECIFICATIONS

| Module Type                               | JKM460N-60HL4     |        | JKM465N-60HL4 |        | JKM470N-60HL4 |        | JKM475N-60HL4 |        | JKM480N-60HL4 |        |
|---|-------------------|--------|---------------|--------|---------------|--------|---------------|--------|---------------|--------|
|   | STC               | NOCT   | STC           | NOCT   | STC           | NOCT   | STC           | NOCT   | STC           | NOCT   |
| Maximum Power (Pmax)                      | 460Wp             | 346Wp  | 465Wp         | 350Wp  | 470Wp         | 353Wp  | 475Wp         | 357Wp  | 480Wp         | 361Wp  |
| Maximum Power Voltage (Vmp)               | 34.72V            | 32.60V | 34.89V        | 32.77V | 35.05V        | 32.94V | 35.21V        | 33.10V | 35.38V        | 33.27V |
| Maximum Power Current (Imp)               | 13.25A            | 10.61A | 13.33A        | 10.67A | 13.41A        | 10.73A | 13.49A        | 10.79A | 13.57A        | 10.85A |
| Open-circuit Voltage (Voc)                | 42.05V            | 39.94V | 42.22V        | 40.10V | 42.38V        | 40.25V | 42.54V        | 40.41V | 42.71V        | 40.57V |
| Short-circuit Current (Isc)               | 13.99A            | 11.29A | 14.07A        | 11.36A | 14.15A        | 11.42A | 14.23A        | 11.49A | 14.31A        | 11.55A |
| Module Efficiency STC (%)                 | 21.32%            |        | 21.55%        |        | 21.78%        |        | 22.01%        |        | 22.24%        |        |
| Operating Temperature(°C)                 | -40°C~+85°C       |        |               |        |               |        |               |        |               |        |
| Maximum system voltage                    | 1000/1500VDC(IEC) |        |               |        |               |        |               |        |               |        |
| Maximum series fuse rating                | 25A               |        |               |        |               |        |               |        |               |        |
| Power measurement tolerance               | +/- 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