

# Tiger N-Type 66TR

## 400-420 Watt

### MONO-FACIAL MODULE

#### N-Type

Positive power tolerance of 0~+3%

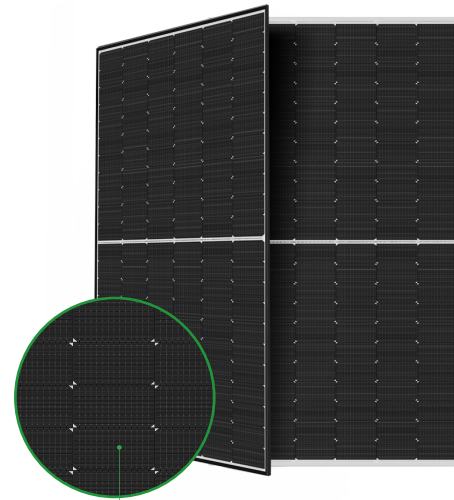
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems



Tiling Ribbon Technology

## Key Features



#### Multi Busbar 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.



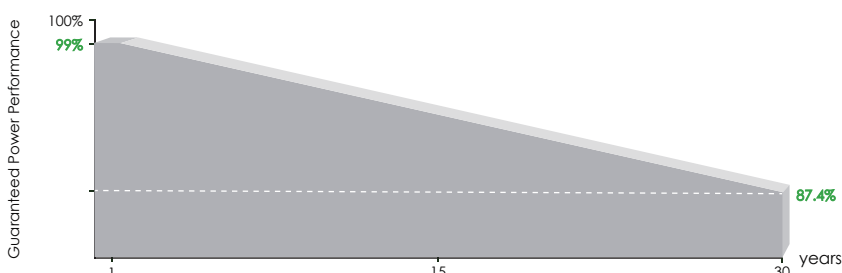
#### Enhanced Mechanical Load

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



POSITIVE QUALITY™  
Continuous Quality Assurance

## LINEAR PERFORMANCE WARRANTY

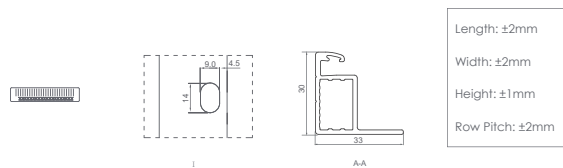
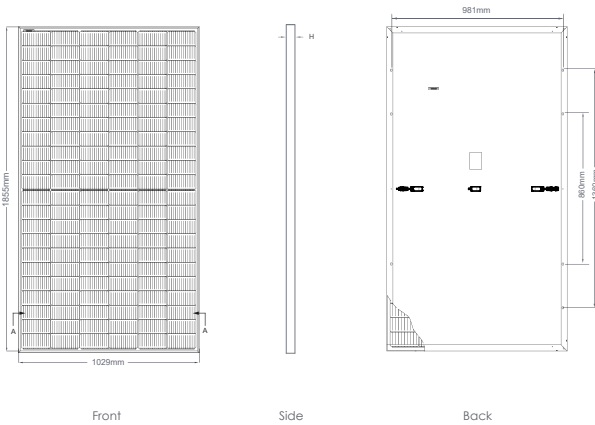


**15** Year Product Warranty

**30** Year Linear Power Warranty

**0.4%** Annual Degradation Over 30 years

## Engineering Drawings

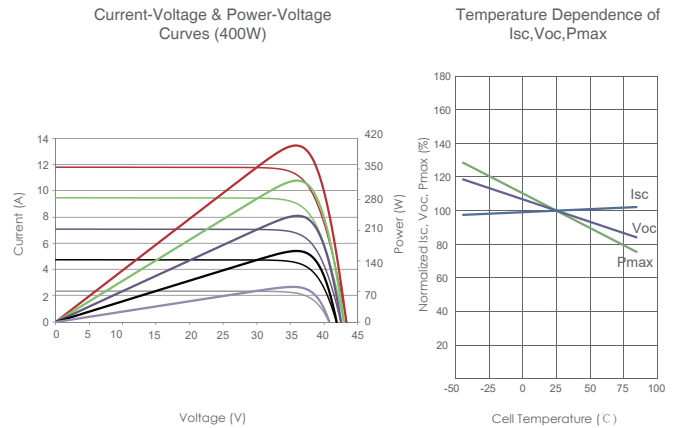


## Packaging Configuration

( Two pallets = One stack )

36pcs/pallets, 72pcs/stack, 864pcs/40'HQ Container

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

|               |   |
|---------------|---|
| Cell Type     | N type Mono-crystalline   |
| No. of cells  | 132 (2×66)  |
| Dimensions    | 1855×1029×30mm (73.03×40.51×1.18 inch)                                      |
| Weight        | 20.8kg (45.86 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>(+): 290mm, (-): 145mm or Customized Length     |

## SPECIFICATIONS

| Module Type                               | JKM400N-6RL3       |                | JKM405N-6RL3   |                | JKM410N-6RL3   |                | JKM415N-6RL3   |                | JKM420N-6RL3   |                |
|---|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|   | JKM400N-6RL3-V     | JKM405N-6RL3-V | JKM410N-6RL3-V | JKM415N-6RL3-V | JKM420N-6RL3-V | JKM400N-6RL3-V | JKM405N-6RL3-V | JKM410N-6RL3-V | JKM415N-6RL3-V | JKM420N-6RL3-V |
|   | STC                | NOCT           | STC            | NOCT           | STC            | NOCT           | STC            | NOCT           | STC            | NOCT           |
| Maximum Power (Pmax)                      | 400Wp              | 298Wp          | 405Wp          | 302Wp          | 410Wp          | 306Wp          | 415Wp          | 309Wp          | 420Wp          | 313Wp          |
| Maximum Power Voltage (Vmp)               | 36.33V             | 33.59V         | 36.48V         | 33.70V         | 36.64V         | 33.78V         | 36.79V         | 33.89V         | 36.94V         | 33.96V         |
| Maximum Power Current (Imp)               | 11.01A             | 8.88A          | 11.10A         | 8.96A          | 11.19A         | 9.05A          | 11.28A         | 9.13A          | 11.37A         | 9.22A          |
| Open-circuit Voltage (Voc)                | 46.05V             | 43.47V         | 46.30V         | 43.70V         | 46.55V         | 43.94V         | 46.77V         | 44.14V         | 47.00V         | 44.36V         |
| Short-circuit Current (Isc)               | 11.73A             | 9.47A          | 11.84A         | 9.56A          | 11.95A         | 9.65A          | 12.06A         | 9.74A          | 12.17A         | 9.83A          |
| Module Efficiency STC (%)                 | 20.96%             |                | 21.22%         |                | 21.48%         |                | 21.74%         |                | 22.00%         |                |
| Operating Temperature(°C)                 | -40 C ~+85 C       |                |                |                |                |                |                |                |                |                |
| Maximum System Voltage                    | 1000/1500VDC (IEC) |                |                |                |                |                |                |                |                |                |
| Maximum Series Fuse Rating                | 20A                |                |                |                |                |                |                |                |                |                |
| Power Tolerance                           | 0~+3%              |                |                |                |                |                |                |                |                |                |
| Temperature Coefficients of Pmax          | -0.34%/C           |                |                |                |                |                |                |                |                |                |
| Temperature Coefficients of Voc           | -0.28%/C           |                |                |                |                |                |                |                |                |                |
| Temperature Coefficients of Isc           | 0.048%/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