

# Tiger Neo N-type 66HL4M-BDV 600- 625 Watt

BIFACIAL MODULE WITH  
DUAL GLASS

## 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.



### Higher Power Output

Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.



### Hot 2.0 Technology

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

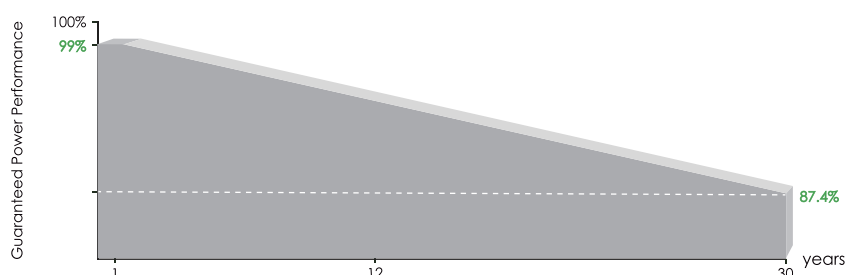


### Enhanced Mechanical Load

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



## LINEAR PERFORMANCE WARRANTY

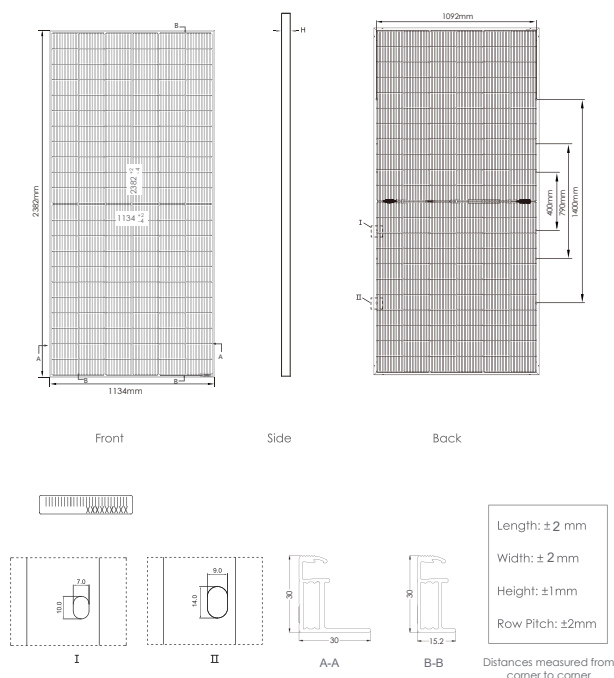


**12** Year Product Warranty

**30** Year Linear Power Warranty

**0.40%** Annual Degradation Over 30 years

## Engineering Drawings



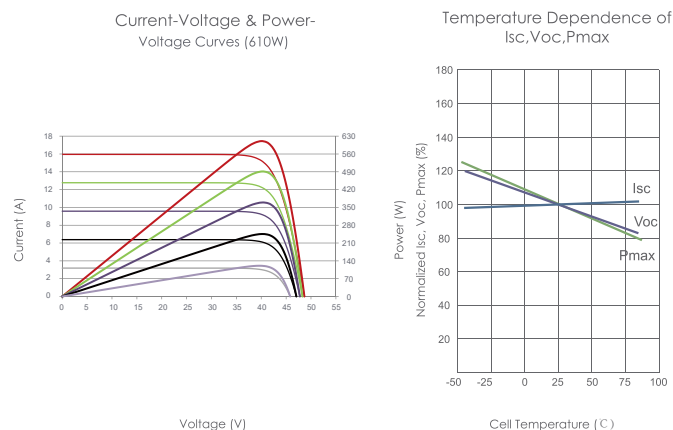
For detailed sizes and tolerance specification, please consult detailed module drawing

## Packaging Configuration

( Two pallets = One stack )

36pcs/pallets, 72pcs/stack, 720pcs/ 40'HQ Container

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

|               |                                                                         |
|---------------|-------------------------------------------------------------------------|
| Cell Type     | N type Mono-crystalline                                                 |
| No. of cells  | 132 (2×66)                                                              |
| Dimensions    | 2382×1134×30mm (93.78×44.65×1.18 inch)                                  |
| Weight        | 32.4 kg (71.43 lbs)                                                     |
| Front Glass   | 2.0mm, Anti-Reflection Coating                                          |
| Back Glass    | 2.0mm, Heat Strengthened 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                               | JKM600N-66HL4M-BDV |        | JKM605N-66HL4M-BDV |        | JKM610N-66HL4M-BDV |        | JKM615N-66HL4M-BDV |        | JKM620N-66HL4M-BDV |        | JKM625N-66HL4M-BDV |        |
|-------------------------------------------|--------------------|--------|--------------------|--------|--------------------|--------|--------------------|--------|--------------------|--------|--------------------|--------|
|                                           | STC                | NOCT   | STC                | NOCT   | STC                | NOCT   | STC                | NOCT   | STC                | NOCT   | STC                | NOCT   |
| Maximum Power (Pmax)                      | 600Wp              | 453Wp  | 605Wp              | 457Wp  | 610Wp              | 461Wp  | 615Wp              | 464Wp  | 620Wp              | 468Wp  | 625Wp              | 472Wp  |
| Maximum Power Voltage (Vmp)               | 40.16V             | 37.60V | 40.31V             | 37.76V | 40.46V             | 37.92V | 40.60V             | 38.10V | 40.74V             | 38.25V | 40.88V             | 38.44V |
| Maximum Power Current (Imp)               | 14.94A             | 12.05A | 15.01A             | 12.10A | 15.08A             | 12.15A | 15.15A             | 12.19A | 15.22A             | 12.24A | 15.29A             | 12.28A |
| Open-circuit Voltage (Voc)                | 48.28V             | 45.86V | 48.48V             | 46.05V | 48.68V             | 46.24V | 48.88V             | 46.43V | 49.08V             | 46.62V | 49.28V             | 46.81V |
| Short-circuit Current (Isc)               | 15.84A             | 12.79A | 15.90A             | 12.83A | 15.96A             | 12.88A | 16.02A             | 12.93A | 16.08A             | 12.98A | 16.14A             | 13.03V |
| Module Efficiency STC (%)                 | 22.21%             |        | 22.40%             |        | 22.58%             |        | 22.77%             |        | 22.95%             |        | 23.14%             |        |
| Operating Temperature(°C)                 | -40°C~+85°C        |        |                    |        |                    |        |                    |        |                    |        |                    |        |
| Maximum system voltage                    | 1500VDC (IEC)      |        |                    |        |                    |        |                    |        |                    |        |                    |        |
| Maximum series fuse rating                | 35A                |        |                    |        |                    |        |                    |        |                    |        |                    |        |
| Power tolerance                           | 0~+3%              |        |                    |        |                    |        |                    |        |                    |        |                    |        |
| Temperature coefficients of Pmax          | -0.29%/ °C         |        |                    |        |                    |        |                    |        |                    |        |                    |        |
| Temperature coefficients of Voc           | -0.25%/°C          |        |                    |        |                    |        |                    |        |                    |        |                    |        |
| Temperature coefficients of Isc           | 0.045%/°C          |        |                    |        |                    |        |                    |        |                    |        |                    |        |
| Nominal operating cell temperature (NOCT) | 45±2°C             |        |                    |        |                    |        |                    |        |                    |        |                    |        |
| Refer. Bifacial Factor                    | 80±5%              |        |                    |        |                    |        |                    |        |                    |        |                    |        |

\*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

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Specifications included in this datasheet are subject to change without notice.

JKM600-625N-66HL4M-BDV-F1-EN