

Tiger Neo N-type

72HL4-BDV

550-570 Watt

BIFACIAL MODULE WITH DUAL GLASS

N-Type

Positive power tolerance of 0~+3%

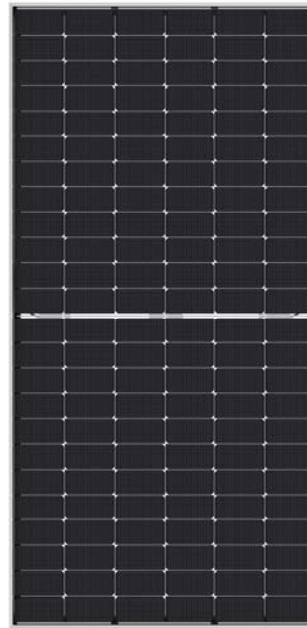
IEC61215(2016), IEC61730(2016)

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.

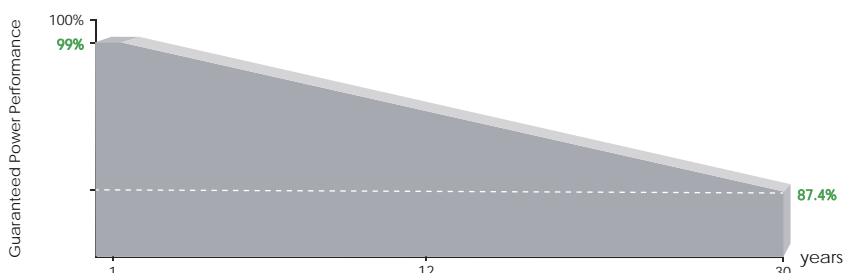


Enhanced Mechanical Load

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



LINEAR PERFORMANCE WARRANTY

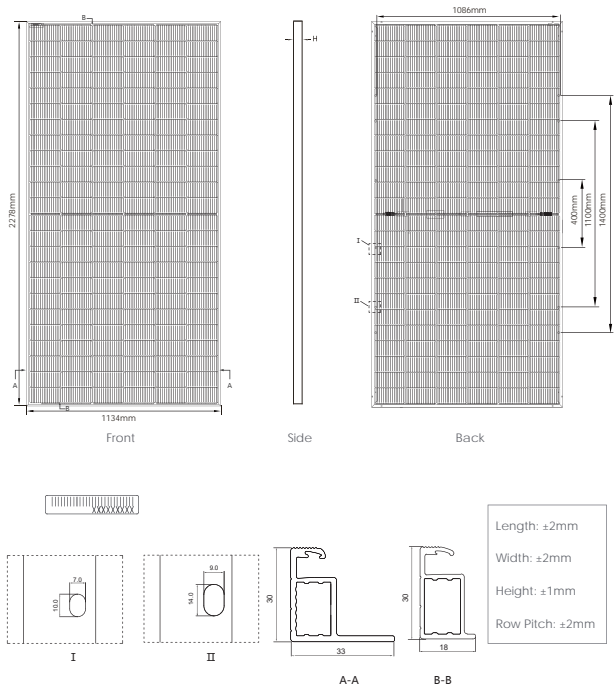


12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings



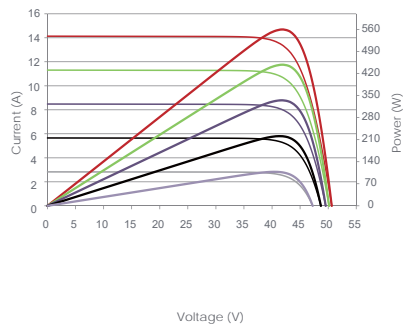
Packaging Configuration

(Two pallets = One stack)

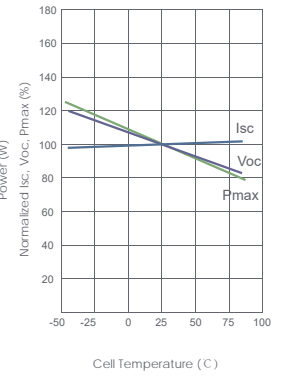
36pcs/pallets, 72pcs/stack, 720pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (560W)



Temperature Dependence of Isc, Voc, Pmax



Mechanical Characteristics

| | |
|---------------|---|
| Cell Type | N type Mono-crystalline |
| No. of cells | 144 (6×24) |
| Dimensions | 2278×1134×30mm (89.69×44.65×1.18 inch) |
| Weight | 32 kg (70.55 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 ² (+): 400mm, (-): 200mm or Customized Length |

SPECIFICATIONS

| Module Type | JKM550N-72HL4-BDV | | JKM555N-72HL4-BDV | | JKM560N-72HL4-BDV | | JKM565N-72HL4-BDV | | JKM570N-72HL4-BDV | |
|---|-------------------|--------|-------------------|--------|-------------------|--------|-------------------|--------|-------------------|--------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (Pmax) | 550Wp | 414Wp | 555Wp | 417Wp | 560Wp | 421Wp | 565Wp | 425Wp | 570Wp | 429Wp |
| Maximum Power Voltage (Vmp) | 41.58V | 39.13V | 41.77V | 39.26V | 41.95V | 39.39V | 42.14V | 39.52V | 42.29V | 39.65V |
| Maximum Power Current (Imp) | 13.23A | 10.57A | 13.29A | 10.63A | 13.35A | 10.69A | 13.41A | 10.75A | 13.48A | 10.81A |
| Open-circuit Voltage (Voc) | 50.27V | 47.75V | 50.47V | 47.94V | 50.67V | 48.13V | 50.87V | 48.32V | 51.07V | 48.51V |
| Short-circuit Current (Isc) | 14.01A | 11.31A | 14.07A | 11.36A | 14.13A | 11.41A | 14.19A | 11.46A | 14.25A | 11.50A |
| Module Efficiency STC (%) | 21.29% | | 21.48% | | 21.68% | | 21.87% | | 22.07% | |
| Operating Temperature(°C) | -40°C~+85°C | | | | | | | | | |
| Maximum system voltage | 1500VDC (IEC) | | | | | | | | | |
| Maximum series fuse rating | 30A | | | | | | | | | |
| 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 | | | | | | | | | |
| Refer. Bifacial Factor | 80±5% | | | | | | | | | |

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

| | | 5% | | 15% | | 25% | |
|--|--|----------------------|---------------------------|----------------------|---------------------------|----------------------|---------------------------|
| | | Maximum Power (Pmax) | Module Efficiency STC (%) | Maximum Power (Pmax) | Module Efficiency STC (%) | Maximum Power (Pmax) | Module Efficiency STC (%) |
| | | 578Wp | 22.36% | 633Wp | 24.48% | 688Wp | 26.61% |
| | | 583Wp | 22.56% | 638Wp | 24.71% | 694Wp | 26.86% |
| | | 588Wp | 22.77% | 644Wp | 24.93% | 700Wp | 27.10% |
| | | 593Wp | 22.97% | 650Wp | 25.15% | 706Wp | 27.34% |
| | | 599Wp | 23.17% | 656Wp | 25.37% | 713Wp | 27.58% |

*STC: Irradiance 1000W/m² Cell Temperature 25°C

NOCT: Irradiance 800W/m² Ambient Temperature 20°C

AM=1.5

AM=1.5

Wind Speed 1m/s