

Tiger Neo N-type 72HL4-BDV 570-590 Watt

BIFACIAL MODULE WITH DUAL
GLASS

N-Type

Positive power tolerance of 0~+3%

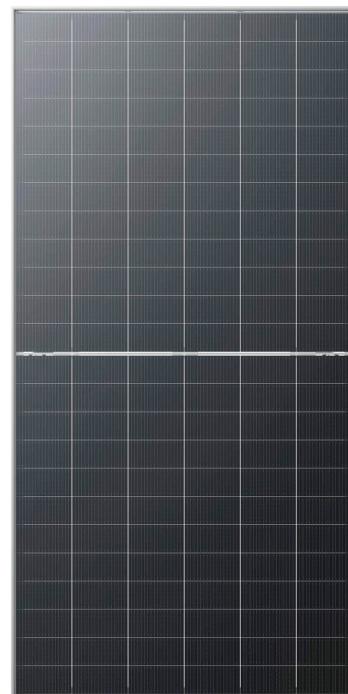
IEC61215(2016), IEC61730(2016)

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.



Hot 2.0 Technology

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



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



Enhanced Mechanical Load

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



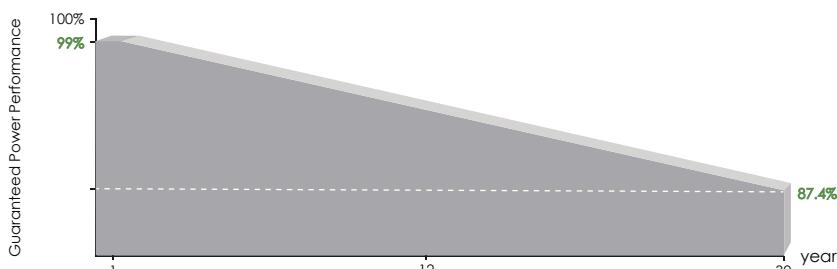
Higher Power Output

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



POSITIVE QUALITY™
Continuous Quality Assurance

LINEAR PERFORMANCE WARRANTY

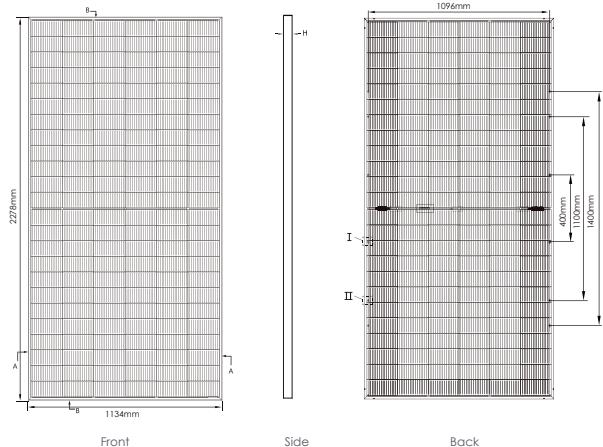


12 Year Product Warranty

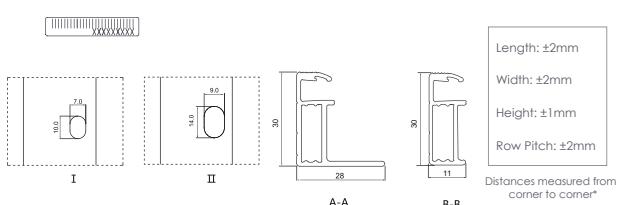
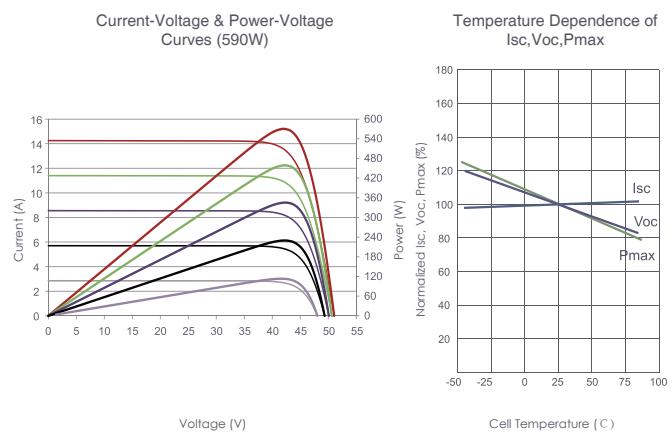
30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings



Electrical Performance & Temperature Dependence



*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

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	31 kg (68.34 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	JKM570N-72HL4-BDV		JKM575N-72HL4-BDV		JKM580N-72HL4-BDV		JKM585N-72HL4-BDV		JKM590-72HL4-BDV									
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT								
Maximum Power (Pmax)	570Wp	430Wp	575Wp	433Wp	580Wp	437Wp	585Wp	441Wp	590Wp	445Wp								
Maximum Power Voltage (VmP)	43.58V	40.56V	43.73V	40.73V	43.88V	40.89V	44.02V	41.05V	44.17V	41.21V								
Maximum Power Current (ImP)	13.08A	10.59A	13.15A	10.64A	13.22A	10.69A	13.29A	10.74A	13.36A	10.79A								
Open-circuit Voltage (Voc)	52.10V	39.60V	52.30V	39.75V	52.50V	39.90V	52.70V	40.05V	52.90V	40.20V								
Short-circuit Current (Isc)	13.83A	11.16A	13.89A	11.21A	13.95A	11.26A	14.01A	11.31A	14.07A	11.36A								
Module Efficiency STC (%)	22.07%		22.26%		22.45%		22.65%		22.84%									
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	-0.29%/°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/m²

Cell Temperature 25°C

AM=1.5

NOCT: Irradiance 800W/m²

Ambient Temperature 20°C

AM=1.5

Wind Speed 1m/s