

# Tiger Neo N-type

## 72HL4-BDV

### 570-590 Watt

BIFACIAL MODULE WITH DUAL GLASS

#### N-Type

Positive power tolerance of 0~+3%

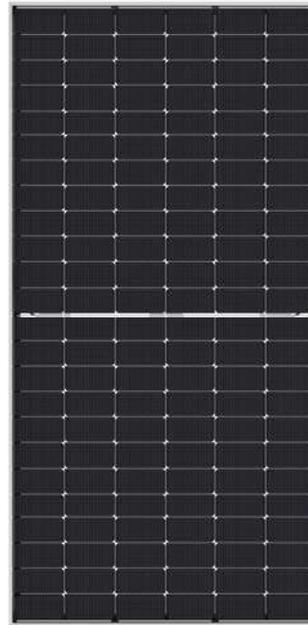
IEC61215(2016), IEC61730(2016)

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.



#### 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.

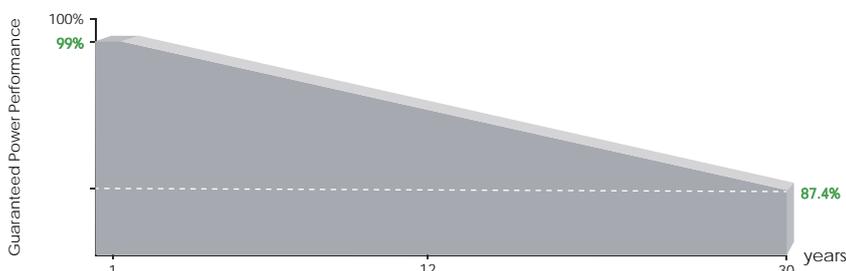


#### Enhanced Mechanical Load

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



## LINEAR PERFORMANCE WARRANTY

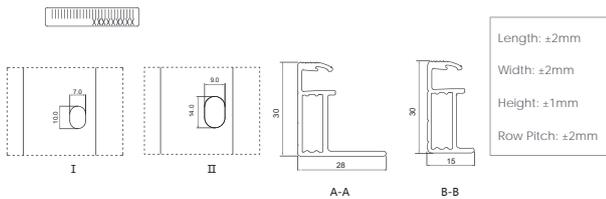
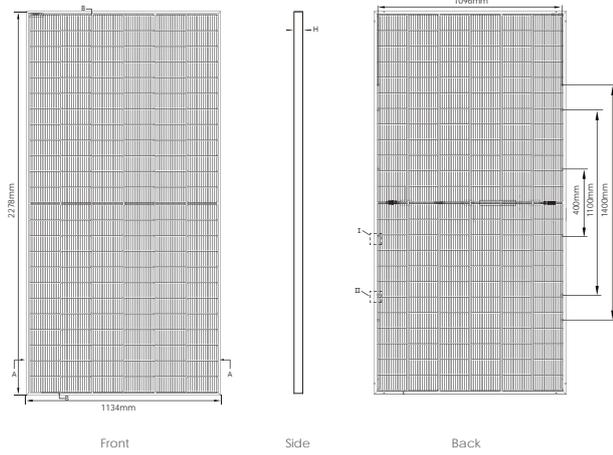


12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

## Engineering Drawings



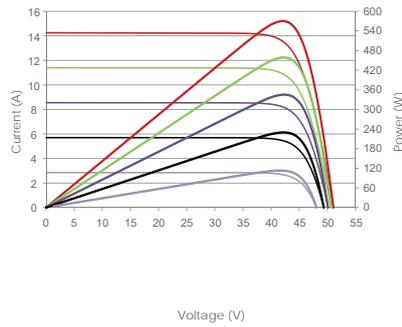
## Packaging Configuration

(Two pallets = One stack)

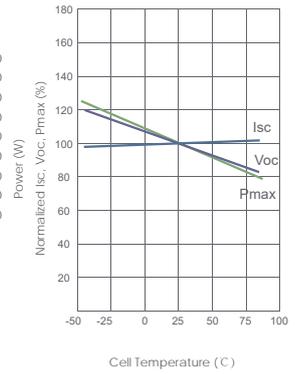
36pcs/pallets, 72pcs/stack, 720pcs/ 40'HQ Container

## Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (570W)



Temperature Dependence of Isc, Voc, Pmax



## Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	144 (2×72)
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 <sup>2</sup> (+): 400mm, (-): 200mm or Customized Length

## SPECIFICATIONS

Module Type	JKM570N-72HL4-BDV		JKM575N-72HL4-BDV		JKM580N-72HL4-BDV		JKM585N-72HL4-BDV		JKM590N-72HL4-BDV	
	STC	NOCT								
Maximum Power (Pmax)	570Wp	429Wp	575Wp	432Wp	580Wp	436Wp	585Wp	440Wp	590Wp	444Wp
Maximum Power Voltage (Vmp)	42.29V	39.65V	42.44V	39.78V	42.59V	39.87V	42.74V	40.03V	42.88V	40.15V
Maximum Power Current (Imp)	13.48A	10.81A	13.55A	10.87A	13.62A	10.94A	13.69A	10.99A	13.76A	11.05A
Open-circuit Voltage (Voc)	51.07V	48.51V	51.27V	48.70V	51.47V	48.89V	51.67V	49.08V	51.86V	49.26V
Short-circuit Current (Isc)	14.25A	11.50A	14.31A	11.55A	14.37A	11.60A	14.43A	11.65A	14.49A	11.70A
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 coefficient of Pmax	-0.29%/°C									
Temperature coefficient of Voc	-0.25%/°C									
Temperature coefficient of Isc	0.045%/°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 (%)
		599Wp	23.17%	656Wp	25.37%	713Wp	27.58%
		604Wp	23.37%	661Wp	25.60%	719Wp	27.82%
		609Wp	23.57%	667Wp	25.82%	725Wp	28.07%
		614Wp	23.78%	673Wp	26.04%	731Wp	28.31%
		620Wp	23.98%	679Wp	26.27%	738Wp	28.55%

\*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