

# Tiger Neo N-type

## 72HL4-BDV

### 550-570 Watt

BIFACIAL MODULE WITH  
DUAL GLASS

#### N-Type

Positive power tolerance of 0~+3%

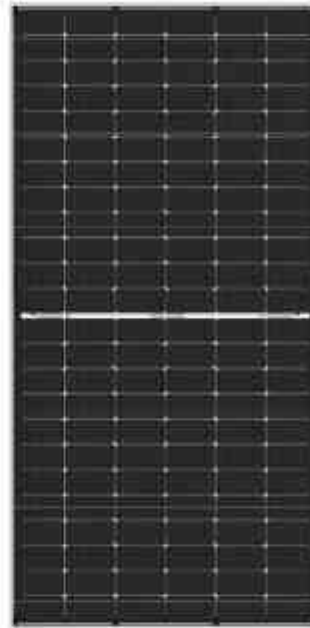
IEC61215(2016), IEC61730(2016)

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.



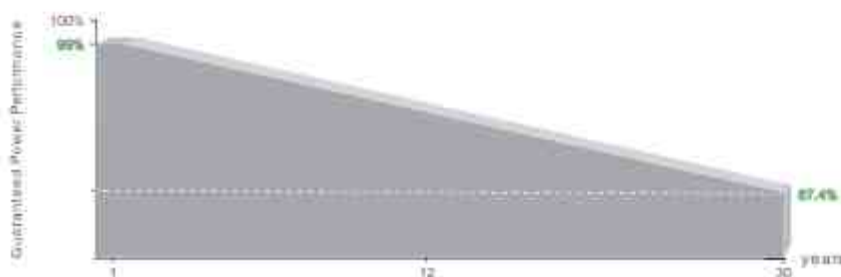
#### Enhanced Mechanical Load

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



POSITIVE QUALITY™  
Customer Quality Partner

## LINEAR PERFORMANCE WARRANTY

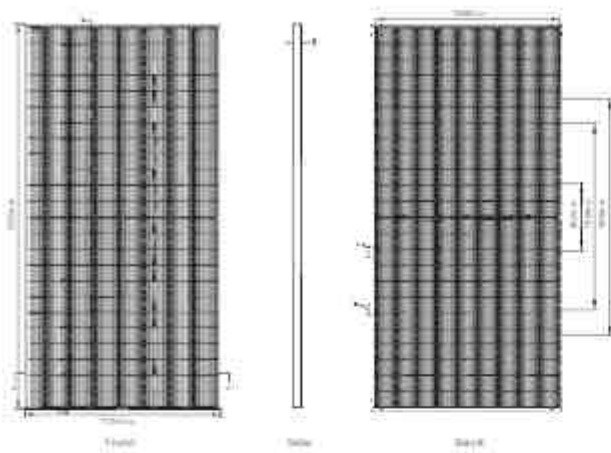


12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

## Engineering Drawings



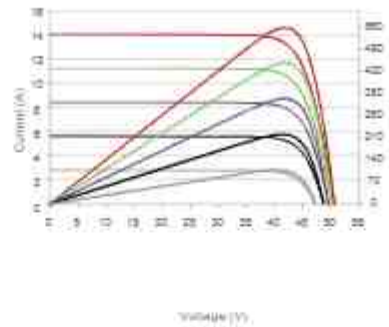
## Packaging Configuration

[Two pallets = One stack]

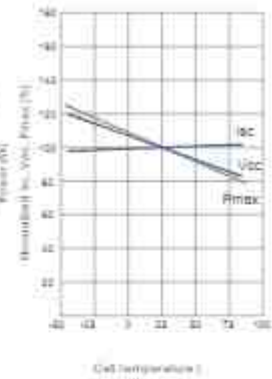
36pcs/pallets, 72pcs/stack, 720pcs/ 40HQ Container

## Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (550W)



Temperature Dependence of  $I_{sc}$ ,  $V_{oc}$ ,  $P_{max}$



## Mechanical Characteristics

Cell Type	11 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 Aluminum Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4 0mm (+)   400mm; (-)   200mm or Customized Length

## SPECIFICATIONS

Module Type	JKM550N-72HL4-8DV		JKM555N-72HL4-8DV		JKM560N-72HL4-8DV		JKM565N-72HL4-8DV		JKM570N-72HL4-8DV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power ( $P_{max}$ )	550Wp	414Wp	555Wp	417Wp	560Wp	421Wp	565Wp	425Wp	570Wp	429Wp
Maximum Power Voltage ( $V_{mp}$ )	41.58V	39.13V	41.77V	39.28V	41.95V	39.39V	42.14V	39.52V	42.29V	39.65V
Maximum Power Current ( $I_{mp}$ )	13.23A	10.57A	13.29A	10.63A	13.35A	10.69A	13.41A	10.75A	13.46A	10.81A
Open-circuit Voltage ( $V_{oc}$ )	50.27V	47.75V	50.47V	47.94V	50.67V	48.13V	50.87V	48.32V	51.07V	48.51V
Short-circuit Current ( $I_{sc}$ )	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 $P_{max}$	-0.30%/°C									
Temperature coefficients of $V_{oc}$	-0.28%/°C									
Temperature coefficients of $I_{sc}$	0.041%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									
Refer. Bifacial Factor	80±2%									

## BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		5%		15%		25%	
		Maximum Power ( $P_{max}$ )	Module Efficiency STC (%)	Maximum Power ( $P_{max}$ )	Module Efficiency STC (%)	Maximum Power ( $P_{max}$ )	Module Efficiency STC (%)
		576Wp	22.38%	633Wp	24.45%	688Wp	26.01%
		583Wp	22.58%	638Wp	24.71%	694Wp	26.36%
		589Wp	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/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