

# Tiger Neo N-type 54HL4R-(V) 440 Watt

## MONO-FACIAL MODULE

### N-Type

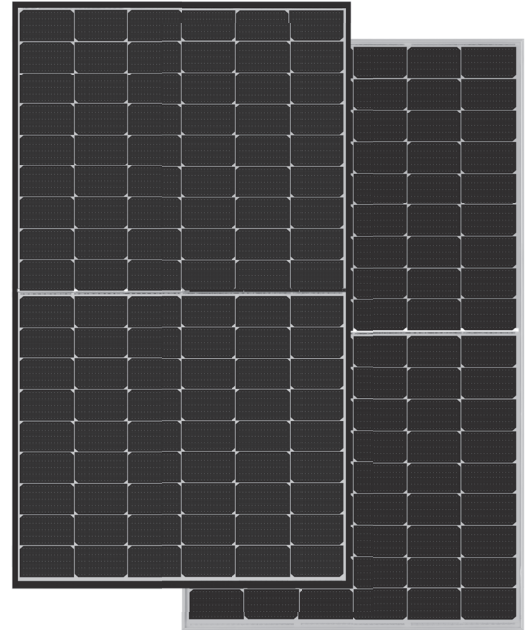
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems  
(Made in China)



## 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.



### Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

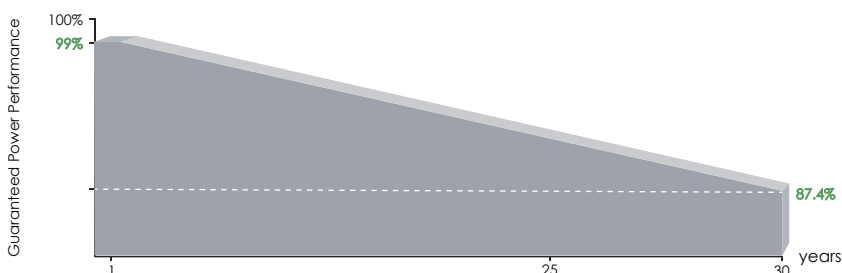


### Enhanced Mechanical Load

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



## LINEAR PERFORMANCE WARRANTY

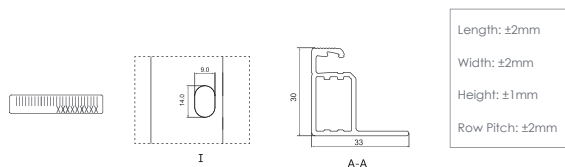
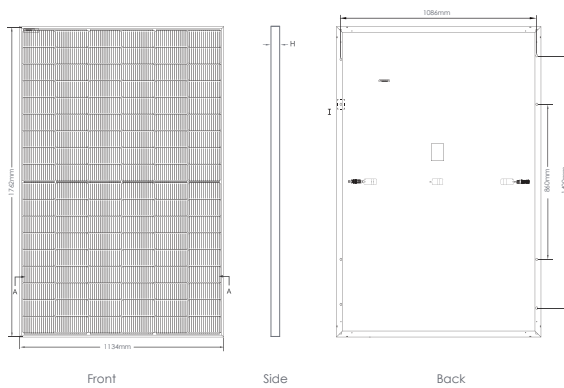


**25** Year Product Warranty

**30** Year Linear Power Warranty

**0.40%** Annual Degradation Over 30 years

## Engineering Drawings



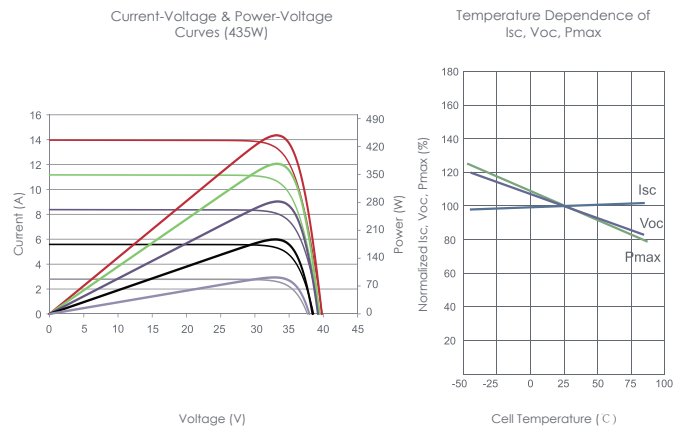
\*This tolerance range applies only to the four-angle distance of the module as indicated above.

## Packaging Configuration

( Two pallets = One stack )

36pcs/pallets, 72pcs/stack, 936pcs/ 40'HQ Container

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	108 (2×54)
Dimensions	1762×1134×30mm (69.36×44.65×1.18 inch)
Weight	22 kg (48.50 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4.0mm <sup>2</sup> (+): 400mm, (-): 200mm or Customized Length
Connector Type	Staubli MC4, MC4-EVO2JK03M/2B, JK03M2/2B, Jinko PV material Staubli MC4, MC4-EVO2JK03M/2B, JK03M2/2B, Jinko PV material
Fire Class	Class C

## SPECIFICATIONS

Module Type	JKM440N-54HL4R JKM440N-54HL4R-V
	STC NOCT
Maximum Power (Pmax)	440Wp 331Wp
Maximum Power Voltage (Vmp)	32.81V 30.56V
Maximum Power Current (Imp)	13.41A 10.83A
Open-circuit Voltage (Voc)	39.38V 37.41V
Short-circuit Current (Isc)	13.86A 11.19A
Module Efficiency STC (%)	22.02%
Operating Temperature(°C)	-40°C~+85°C
Maximum system voltage	1000/1500VDC (IEC) with -V=1500V, without -V=1000V
Maximum series fuse rating	25A
Power measurement tolerance	±3%
Power sorting tolerance	-5W to +15W
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

\*STC: Irradiance 1000W/m<sup>2</sup> Cell Temperature 25°C

NOCT: Irradiance 800W/m<sup>2</sup> Ambient Temperature 20°C

AM=1.5

AM=1.5

Wind Speed 1m/s