

# Tiger Neo N-type 54HL4-(V) 420-440 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.

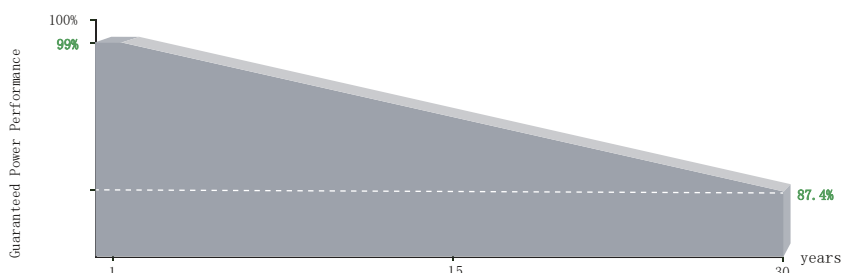


### Enhanced Mechanical Load

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



## LINEAR PERFORMANCE WARRANTY



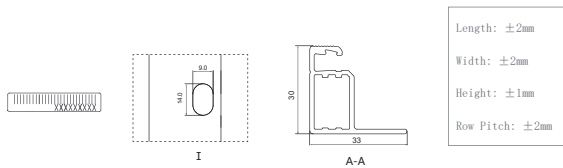
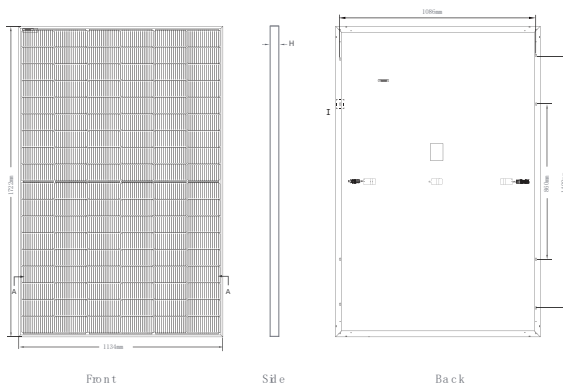
**25\*** Year Product Warranty

**30** Year Linear Power Warranty

**0.40%** Annual Degradation Over 30 years

\*The product warranty is only applicable in Australia

## Engineering Drawings



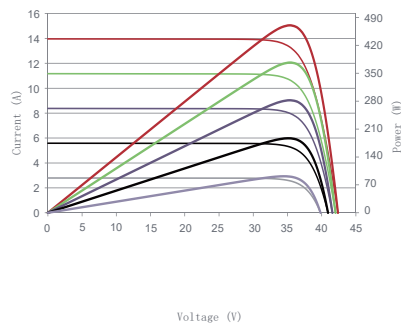
## Packaging Configuration

( Two pallets = One stack )

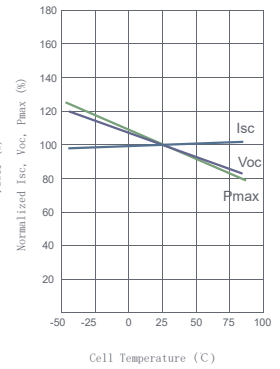
36pcs/pallets, 72pcs/stack, 936pcs/ 40' HQ Container

## Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (430W)



Temperature Dependence of Isc, Voc, Pmax



## Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	108 (6×18)
Dimensions	1722×1134×30mm (67.79×44.65×1.18 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	1000V:Staubli MC4JK03M/1B, JK03M2/1B, Jinko PV material 1500V:Staubli MC4-EVO2JK03M/2B, JK03M2/2B, Jinko PV material
Fire Class	Class C

## SPECIFICATIONS

Module Type	JKM420N-54HL4		JKM425N-54HL4		JKM430N-54HL4		JKM435N-54HL4		JKM440N-54HL4	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	420Wp	316Wp	425Wp	320Wp	430Wp	323Wp	435Wp	327Wp	440Wp	331Wp
Maximum Power Voltage (Vmp)	31.97V	29.78V	32.18V	29.99V	32.38V	30.10V	32.59V	30.33V	32.81V	30.56V
Maximum Power Current (Imp)	13.14A	10.61A	13.21A	10.67A	13.28A	10.73A	13.35A	10.78A	13.41A	10.83A
Open-circuit Voltage (Voc)	38.54V	36.61V	38.75V	36.81V	38.95V	37.00V	39.16V	37.20V	39.38V	37.41V
Short-circuit Current (Isc)	13.59A	10.97A	13.66A	11.03A	13.73A	11.09A	13.8A	11.14A	13.86A	11.19A
Module Efficiency STC (%)	21.51%		21.76%		22.02%		22.02%		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%~+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									

\*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

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Wind Speed 1m/s