

# Tiger Neo N-type 54HL4-(V) 405-425 Watt MONO-FACIAL MODULE

## N-Type

Positive power tolerance of 0~+3%

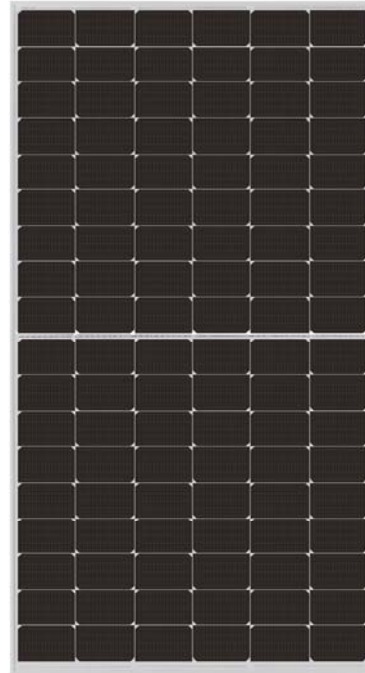
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems  
Made in China/ Malaysia/ U.S/Vietnam



## 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.

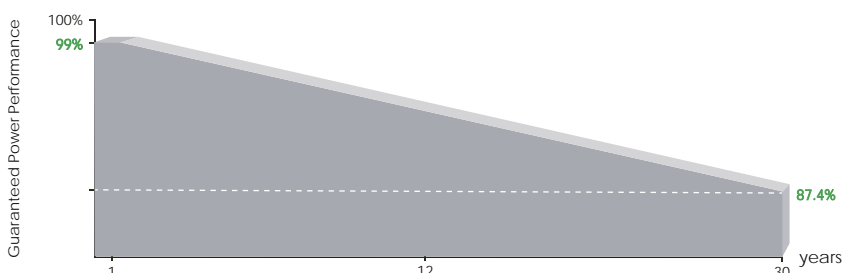


### Enhanced Mechanical Load

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



## LINEAR PERFORMANCE WARRANTY

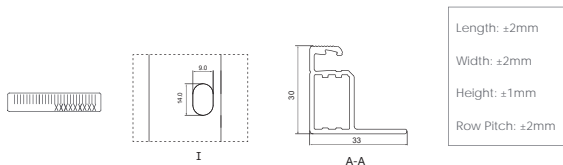
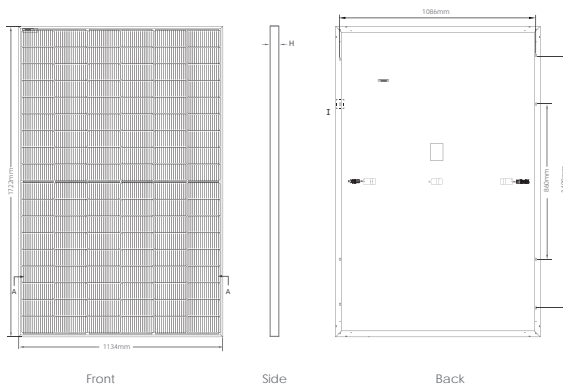


12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

## Engineering Drawings



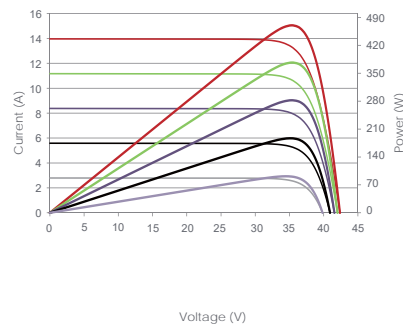
## Packaging Configuration

(Two pallets = One stack)

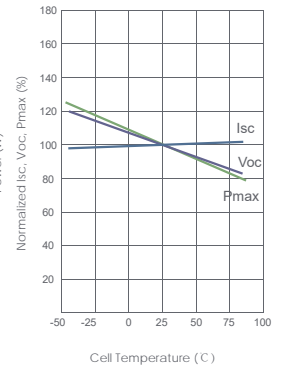
36pcs/pallets, 72pcs/stack, 936pcs/ 40'HQ Container

## 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	Staubli MC4, MC4-EVO2; JK03M/2B, JK03M2/2B, Jinko PV material
Fire Rating	Class C

## SPECIFICATIONS

Module Type	JKM405N-54HL4-V		JKM410N-54HL4-V		JKM415N-54HL4-V		JKM420N-54HL4-V		JKM425N-54HL4-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	405Wp	305Wp	410Wp	308Wp	415Wp	312Wp	420Wp	316Wp	425Wp	320Wp
Maximum Power Voltage (Vmp)	30.94V	28.90V	31.13V	29.06V	31.32V	29.21V	31.51V	29.34V	31.70V	29.50V
Maximum Power Current (Imp)	13.09A	10.54A	13.17A	10.61A	13.25A	10.68A	13.33A	10.76A	13.41A	10.83A
Open-circuit Voltage (Voc)	37.54V	35.66V	37.73V	35.84V	37.92V	36.02V	38.11V	36.20V	38.30V	36.38V
Short-circuit Current (Isc)	13.83A	11.17A	13.91A	11.23A	13.99A	11.29A	14.07A	11.36A	14.15A	11.42A
Module Efficiency STC (%)	20.74%		21.00%		21.25%		21.51%		21.76%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	25A									
Power tolerance	0~+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

AM=1.5

Wind Speed 1m/s

Power Measurement tolerance: +/-3%

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Specifications included in this datasheet are subject to change without notice.

JKM405-425N-54HL4-(V)-F1-EN (IEC 2016)