

Tiger Neo N-type 54HL4-(V) 425-445 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.



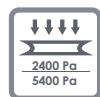
PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

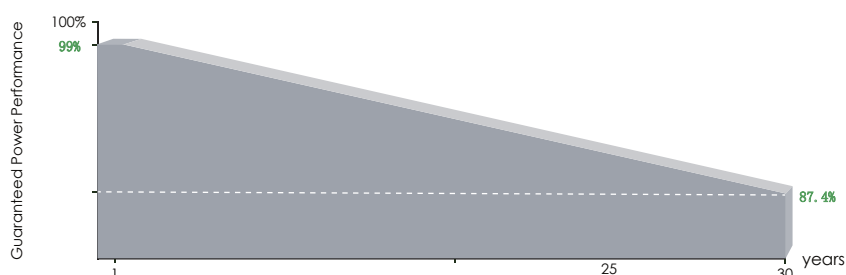


Enhanced Mechanical Load

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



LINEAR PERFORMANCE WARRANTY

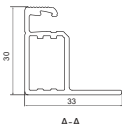
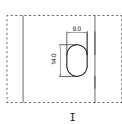
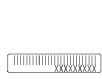
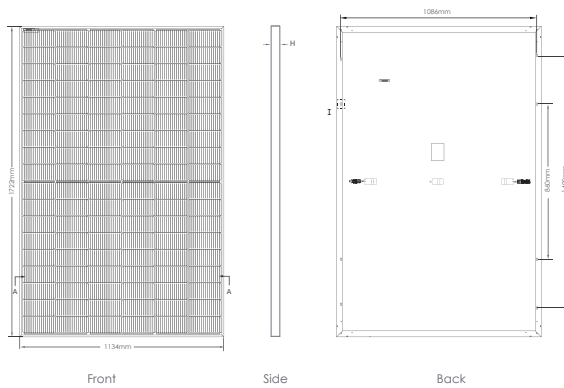


25 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings



Length: $\pm 2\text{mm}$
 Width: $\pm 2\text{mm}$
 Height: $\pm 1\text{mm}$
 Row Pitch: $\pm 2\text{mm}$

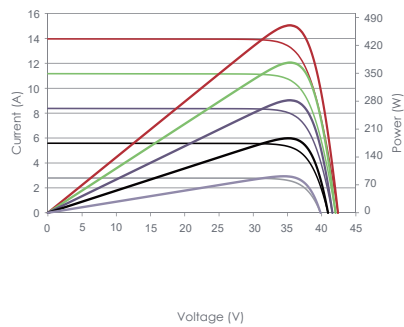
Packaging Configuration

(Two pallets = One stack)

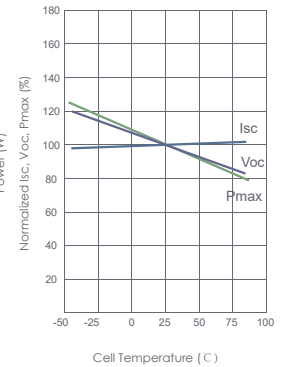
36pcs/pallets, 72pcs/stack, 936pcs/ 40'HQ Container

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 ² (+): 4.00mm (-): 200mm or Customized Length
Connector	1000V: Staubli MC4; JK03M/2B, JK03M2/2B, Jinko PV material 1500V: Staubli MC4-EVO2; JK03M/2B, JK03M2/2B, Jinko PV material
Fire Rating	Class C

SPECIFICATIONS

Module Type	JKM425N-54HL4		JKM430N-54HL4		JKM435N-54HL4		JKM440N-54HL4		JKM445N-54HL4	
	JKM425N-54HL4-V		JKM430N-54HL4-V		JKM435N-54HL4-V		JKM440N-54HL4-V		JKM445N-54HL4-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	425Wp	320Wp	430Wp	323Wp	435Wp	327Wp	440Wp	331Wp	445Wp	335Wp
Maximum Power Voltage (Vmp)	32.18V	29.99V	32.38V	30.10V	32.59V	30.33V	32.81V	30.56V	33.02V	30.76V
Maximum Power Current (Imp)	13.21A	10.67A	13.28A	10.73A	13.35A	10.78A	13.41A	10.83A	13.48A	10.89A
Open-circuit Voltage (Voc)	38.75V	36.81V	38.95V	37.00V	39.16V	37.20V	39.38V	37.41V	39.59V	37.61V
Short-circuit Current (Isc)	13.66A	11.03A	13.73A	11.09A	13.80A	11.14A	13.86A	11.19A	13.93A	11.25A
Module Efficiency STC (%)	21.27%		21.52%		21.77%		22.02%		22.27%	
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 sorting tolerance	-5W to +15W									
Power measurement tolerance	-3%~+3%									
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: Ir radiance 1000W/m²

Cell Temperature 25°C

AM=1.5

NOCT: Ir radiance 800W/m²

Ambient Temperature 20°C

AM=1.5

Wind Speed 1m/s