

Tiger Neo N-type 54HL4-(V) 410-430 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.



Hot 2.0 Technology

The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.

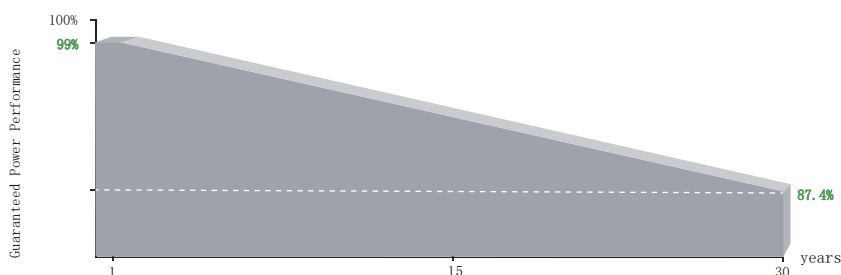


Enhanced Mechanical Load

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



LINEAR PERFORMANCE WARRANTY



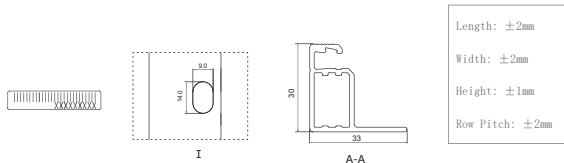
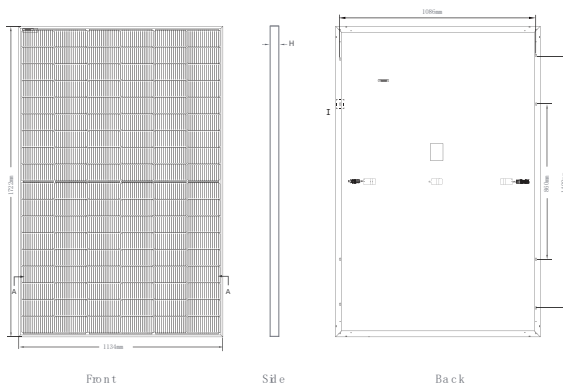
25* Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

*The product warranty is only applicable in Australia and New Zealand

Engineering Drawings



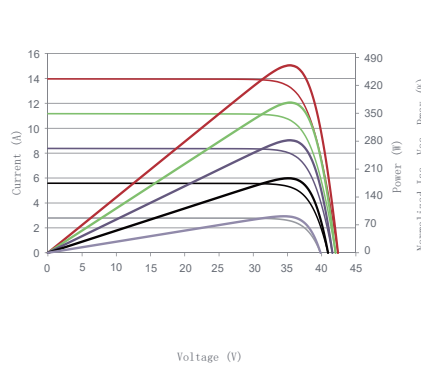
Packaging Configuration

(Two pallets = One stack)

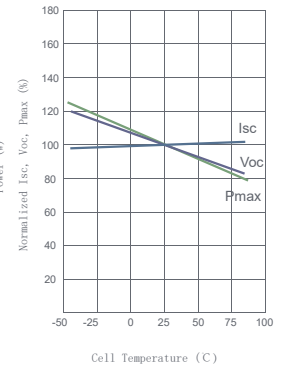
36pcs/pallets, 72pcs/stack, 936pcs/ 40' HQ Container

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 ² (+): 400mm, (-): 200mm or Customized Length
Connector Type	1000V: Staubli MC4; JK03M/1B JK03M2/1B, Jinko PV material 1500V: Staubli MC4-EVO2; JK03M/2B, JK03M2/2B, Jinko PV material
Fire Rating	Class C

SPECIFICATIONS

Module Type	JKM410N-54HL4		JKM415N-54HL4		JKM420N-54HL4		JKM425N-54HL4		JKM430N-54HL4	
	JKM410N-54HL4-V	JKM415N-54HL4-V	JKM420N-54HL4-V	JKM425N-54HL4-V	JKM430N-54HL4-V	STC	NOCT	STC	NOCT	STC
Maximum Power (Pmax)	410Wp	308Wp	415Wp	312Wp	420Wp	316Wp	425Wp	320Wp	430Wp	323Wp
Maximum Power Voltage (Vmp)	31.54V	29.33V	31.76V	29.55V	31.97V	29.78V	32.18V	29.99V	32.38V	30.10V
Maximum Power Current (Imp)	13.00A	10.50A	13.07A	10.56A	13.14A	10.61A	13.21A	10.67A	13.28A	10.73A
Open-circuit Voltage (Voc)	38.11V	36.20V	38.33V	36.41V	38.54V	36.61V	38.75V	36.81V	38.95V	37.00V
Short-circuit Current (Isc)	13.45A	10.86A	13.52A	10.92A	13.59A	10.97A	13.66A	11.03A	13.73A	11.09A
Module Efficiency STC (%)	21.00%		21.25%		21.51%		21.76%		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/m² Cell Temperature 25° C

NOCT: Irradiance 800W/m² Ambient Temperature 20° C

AM=1.5

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Wind Speed 1m/s