

Tiger Neo N-type

54HL4-(V)

405-420 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.



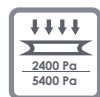
PID Resistance

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



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

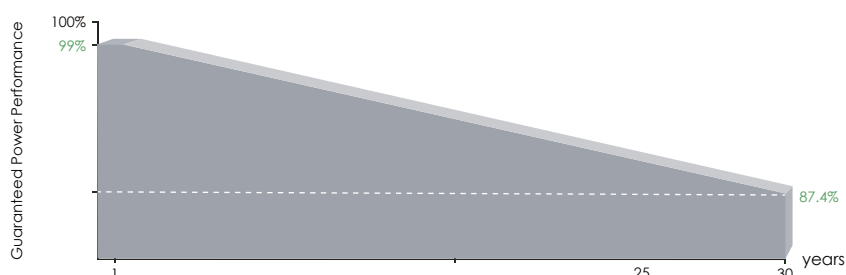


Enhanced Mechanical Load

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



LINEAR PERFORMANCE WARRANTY

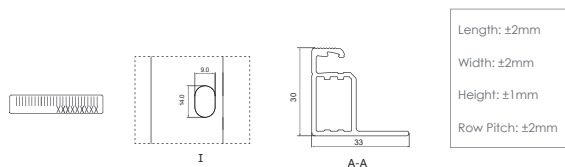
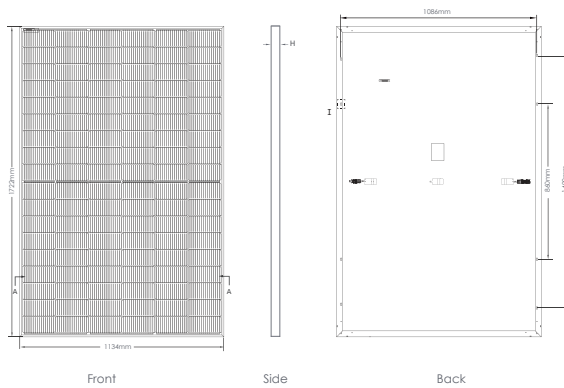


25 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings

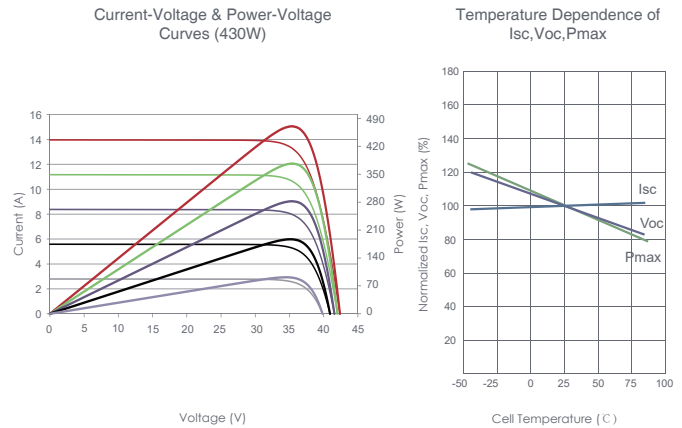


Packaging Configuration

(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 (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 1000V:	Staubli MC4, JK03M/2B, JK03M2/2B, Jinko PV material
Type 1500V:	Staubli MC4-EVO2, JK03M/2B, JK03M2/2B, Jinko PV material
Fire Rating	Class C

SPECIFICATIONS

Module Type	JKM405N-54HL4		JKM410N-54HL4		JKM415N-54HL4		JKM420N-54HL4	
	JKM405N-54HL4-V		JKM410N-54HL4-V		JKM415N-54HL4-V		JKM420N-54HL4-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	405Wp	305Wp	410Wp	308Wp	415Wp	312Wp	420Wp	316Wp
Maximum Power Voltage (Vmp)	30.94V	28.90V	31.54V	29.33V	31.76V	29.55V	31.97V	29.78V
Maximum Power Current (Imp)	13.09A	10.54A	13.00A	10.50A	13.07A	10.56A	13.14A	10.61A
Open-circuit Voltage (Voc)	37.54V	35.66V	38.11V	36.20V	38.33V	36.41V	38.54V	36.61V
Short-circuit Current (Isc)	13.83A	11.17A	13.45A	10.86A	13.52A	10.92A	13.59A	10.97A
Module Efficiency STC (%)	20.27%		20.52%		20.77%		21.02%	
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: 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