

Tiger Neo N-type 54HL4-(V) 440-445 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.



Hot 2.0 Technology

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

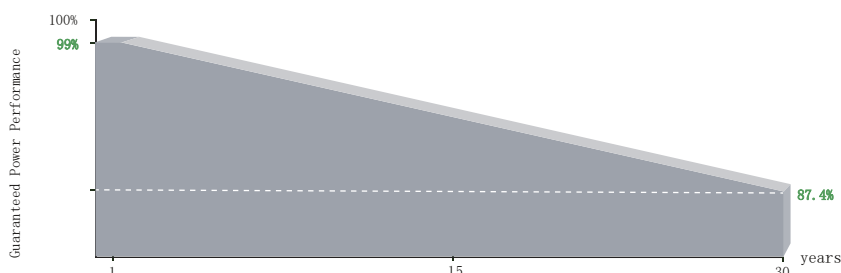


Enhanced Mechanical Load

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



LINEAR PERFORMANCE WARRANTY



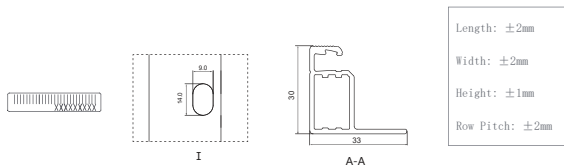
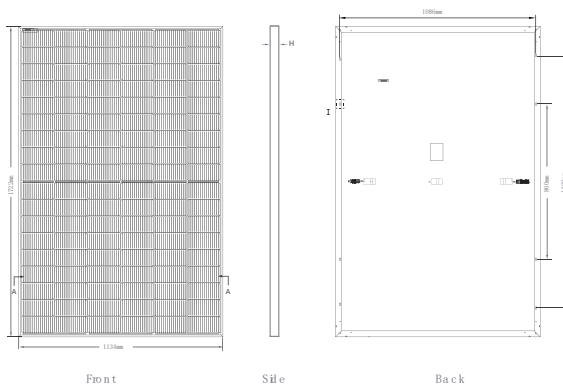
25* Year Product Warranty

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



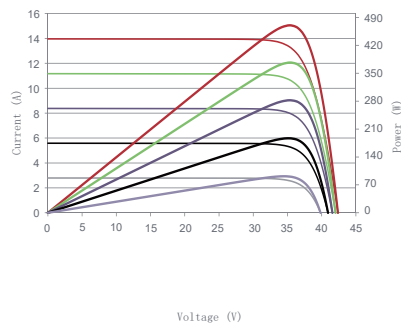
Packaging Configuration

(Two pallets = One stack)

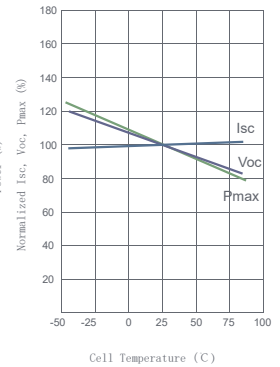
36pcs/pallets, 72pcs/stack, 936pcs/ 40' HQ Container

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	1000V: Staubli MC4; JK03M/1B, JK03M2/1B, Jinko PV material 1500V: Staubli MC4-EVO 2; JK03M/2B, JK03M2/2B, Jinko PV material
Fire Rating	Class C

SPECIFICATIONS

Module Type	JKM440N-54HL4		JKM445N-54HL4	
	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	440Wp	331Wp	445Wp	335Wp
Maximum Power Voltage (Vmp)	32.81V	30.56V	33.02V	30.76V
Maximum Power Current (Imp)	13.41A	10.83A	13.48A	10.89A
Open-circuit Voltage (Voc)	39.38V	37.41V	39.59V	37.61V
Short-circuit Current (Isc)	13.86A	11.19A	13.93A	11.25A
Module Efficiency STC (%)	22.53%		22.79%	
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

AM=1.5

Wind Speed 1m/s