

Tiger Neo Satin

N-type 54HL4-B

425-430 Watt

ALL-BLACK 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.



PID Resistance

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



Enhanced Mechanical Load

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



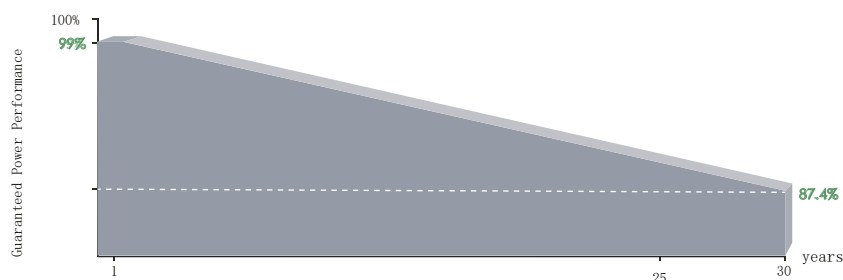
Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



POSITIVE QUALITY™
Continuous Quality Assurance

LINEAR PERFORMANCE WARRANTY

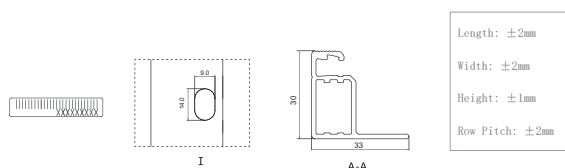
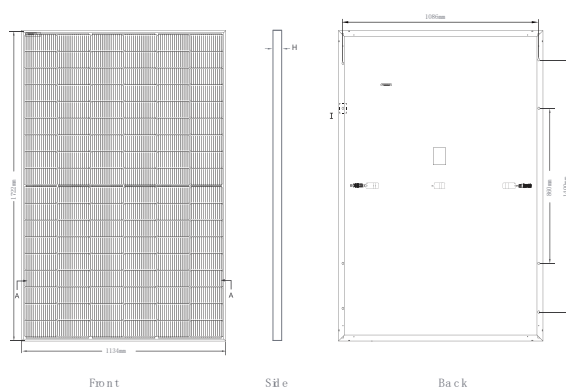


25 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings

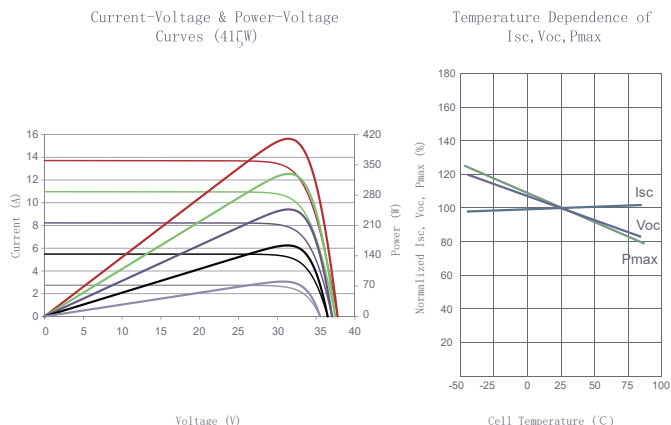


Packaging Configuration

(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/1B, JK03M2/1B, Jinko PV material Type 1500V: Staubli MC4-EV02; JK03M/2B, JK03M2/2B, Jinko PV material
Fire Class	Class C

SPECIFICATIONS

Module Type	JKM425N-54HL4-B		JKM430N-54HL4-B	
	STC	N O C T	STC	N O C T
Maximum Power (Pmax)	425Wp	320Wp	430Wp	323Wp
Maximum Power Voltage (Vmp)	32.37V	30.19V	32.58V	30.30V
Maximum Power Current (Imp)	13.13A	10.60A	13.20A	10.66A
Open-circuit Voltage (Voc)	38.95V	37.00V	39.16V	37.20V
Short-circuit Current (Isc)	13.58A	10.96A	13.65A	11.02A
Module Efficiency STC (%)	21.76%		22.02%	
Operating Temperature (°C)	-40°C~+85 °C			
Maximum system voltage	1000VDC (IEC) with -V=1500V, without -V=1000V			
Maximum series fuse rating	25A			
Power measurement tolerance	±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±2C			

*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