

Tiger Neo N-type 54HL4-B 425 Watt

ALL-BLACK MODULE

N-Type

Positive power tolerance of 0~+3%

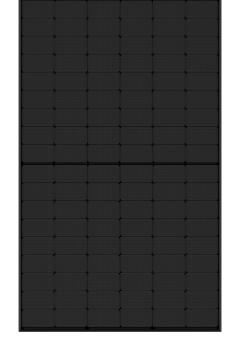
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems



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.



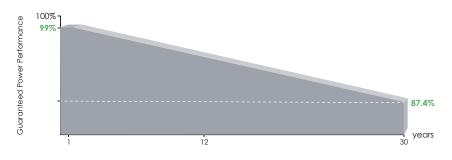








LINEAR PERFORMANCE WARRANTY



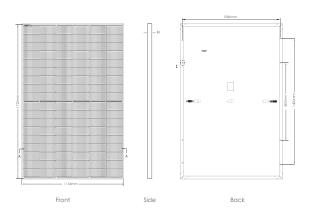
25 Year Product Warranty

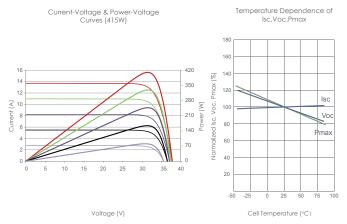
30 Year Linear Power Warranty

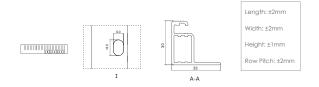
0.40% Annual Degradation Over 30 years

Engineering Drawings

Electrical Performance & Temperature Dependence







Packaging Configuration

(Two pallets = One stack)

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

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	

SPECIFICATIONS		
Module Type	JKM425N-54HL4-B	
	STC NOCT	
Maximum Power (Pmax)	425Wp 320Wp	
Maximum Power Voltage (Vmp)	32.37V 30.19V	
Maximum Power Current (Imp)	13.13A 10.60A	
Open-circuit Voltage (Voc)	38.95V 37.00V	
Short-circuit Current (Isc)	13.58A 10.96A	
Module Efficiency STC (%)	21.76%	
Operating Temperature(°C)	-40°C~+85°C	
Maximum system voltage	1000VDC (IEC)	
Maximum series fuse rating	25A	
Power tolerance	0~+3%	
Temperature coefficients of Pmax	-0.29%/°C	
Temperature coefficients of Voc	-0.25%/℃	
Temperature coefficients of Isc	0.045%/°C	
Nominal operating cell temperature (NOCT)	45±2 °C	













