

Tiger Neo N-type

54HL4R-B

415-435 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.



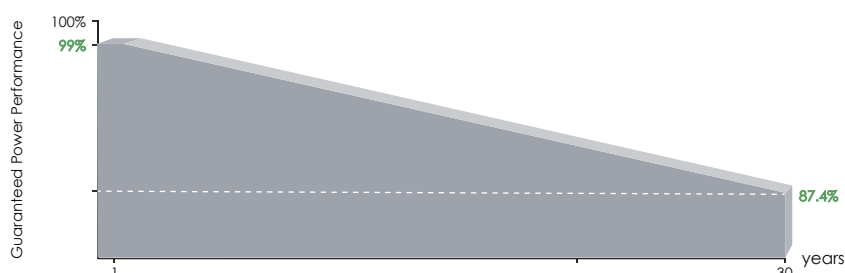
Enhanced Mechanical Load

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



POSITIVE QUALITY™
Continuous Quality Assurance

LINEAR PERFORMANCE WARRANTY



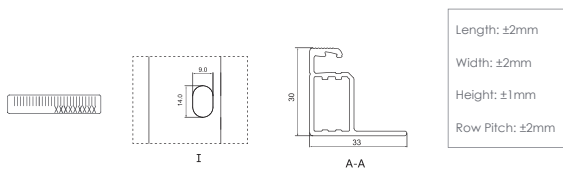
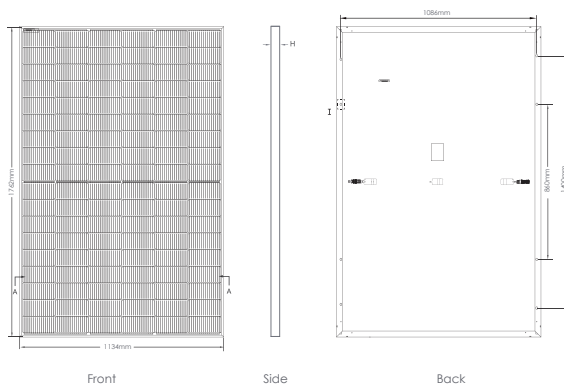
25* Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

*The product warranty is only applicable in Australia.

Engineering Drawings



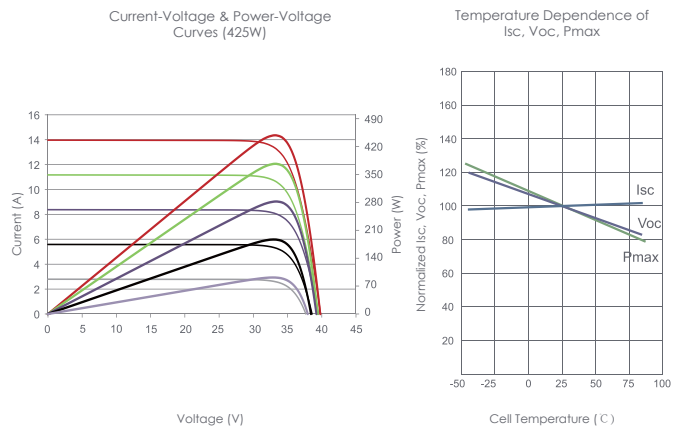
*This tolerance range applies only to the four-angle distance of the module as indicated above.

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	1762×1134×30mm (69.36×44.65×1.18 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	Staubli MC4, MC4-EVO2/JK03M/1B, JK03M2/1B, Jinko PV material
Fire Class	Class C

SPECIFICATIONS

Module Type	JKM415N-54HL4R-B		JKM420N-54HL4R-B		JKM425N-54HL4R-B		JKM430N-54HL4R-B		JKM435N-54HL4R-B	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	415Wp	312Wp	420Wp	316Wp	425Wp	320Wp	430Wp	323Wp	435Wp	327Wp
Maximum Power Voltage (Vmp)	31.95V	29.74V	32.16V	29.95V	32.37V	30.19V	32.58V	30.30V	32.78V	30.50V
Maximum Power Current (Imp)	12.99A	10.49A	13.06A	10.55A	13.13A	10.60A	13.20A	10.66A	13.27V	10.72A
Open-circuit Voltage (Voc)	38.53V	36.60V	38.74V	36.80V	38.95V	37.00V	39.16V	37.20V	39.36V	37.39V
Short-circuit Current (Isc)	13.44A	10.85A	13.51A	10.91A	13.58A	10.96A	13.65A	11.02A	13.72A	11.08A
Module Efficiency STC (%)	20.77%		21.02%		21.27%		21.52%		21.77%	
Operating Temperature(°C)					-40°C~-+85°C					
Maximum system voltage					1000VDC (IEC)					
Maximum series fuse rating					25A					
Power measurement tolerance					±3%					
Temperature coefficients of Pmax					-0.30%/°C					
Temperature coefficients of Voc					-0.25%/°C					
Temperature coefficients of Isc					0.046%/°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