

Tiger Neo N-type 54HL4R-(V) 440 Watt

MONO-FACIAL MODULE

N-Type

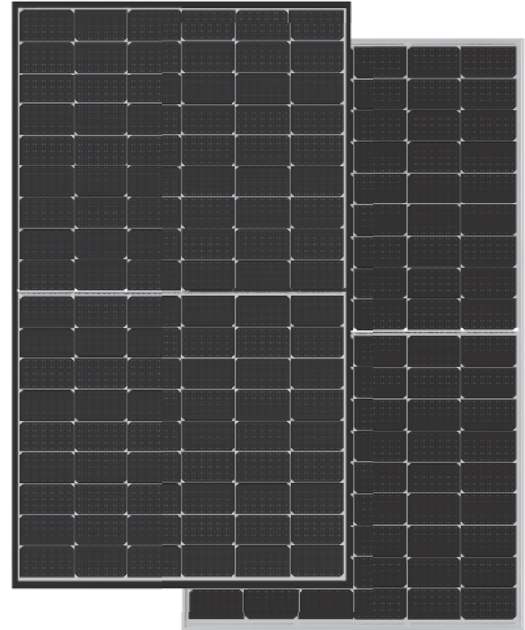
IEC61215(2016), IEC61730(2016)

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.

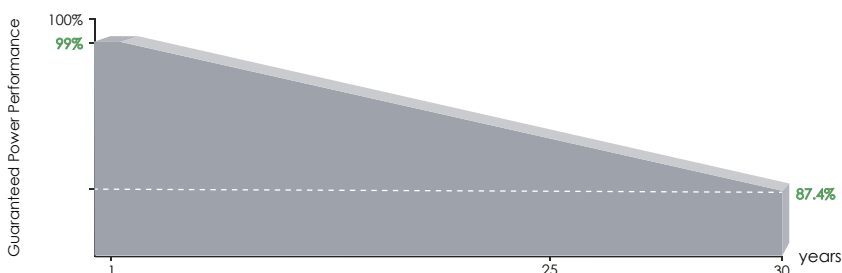


Enhanced Mechanical Load

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



LINEAR PERFORMANCE WARRANTY

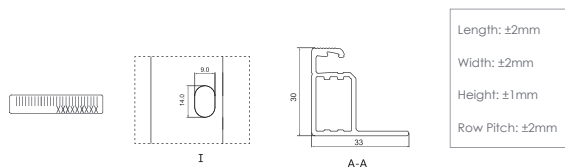
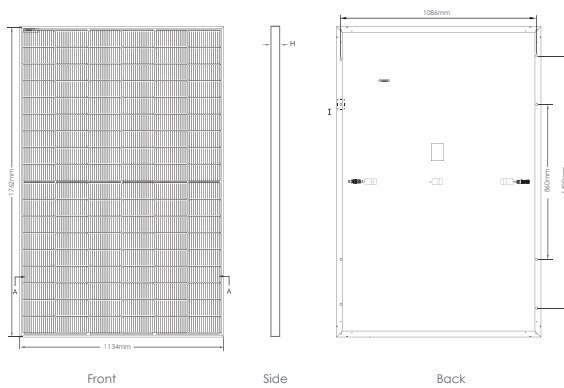


25 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings



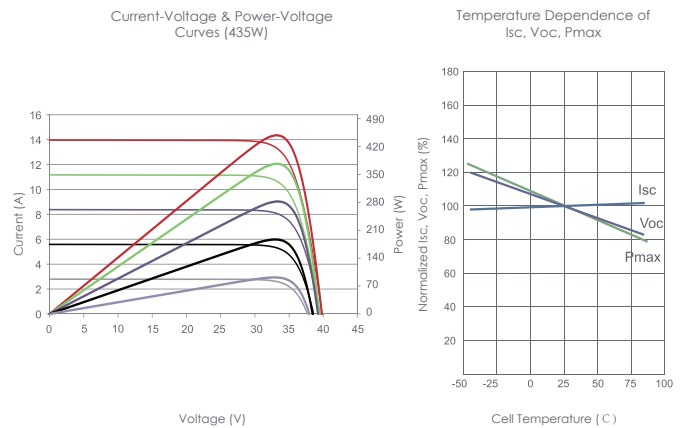
*This tolerance range applies only to the four-angle distance of the module as indicated above.

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 (2×54)
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 1×4.0mm² (+): 400mm, (-): 200mm or Customized Length
Connector Type	Staubli MC4, MC4-EVO2JK03M/2B, JK03M2/2B, Jinko PV material Staubli MC4, MC4-EVO2JK03M/2B, JK03M2/2B, Jinko PV material
Fire Class	Class C

SPECIFICATIONS

Module Type	JKM440N-54HL4R JKM440N-54HL4R-V
	STC NOCT
Maximum Power (Pmax)	440Wp 331Wp
Maximum Power Voltage (Vmp)	32.81V 30.56V
Maximum Power Current (Imp)	13.41A 10.83A
Open-circuit Voltage (Voc)	39.38V 37.41V
Short-circuit Current (Isc)	13.86A 11.19A
Module Efficiency STC (%)	22.02%
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: Irradiance 1000W/m² Cell Temperature 25°C

AM=1.5

NOCT: Irradiance 800W/m² Ambient Temperature 20°C

AM=1.5

Wind Speed 1m/s