

Tiger Neo N-type 54HL4R-BDV 430-450 Watt BIFACIAL MODULE WITH DUAL GLASS

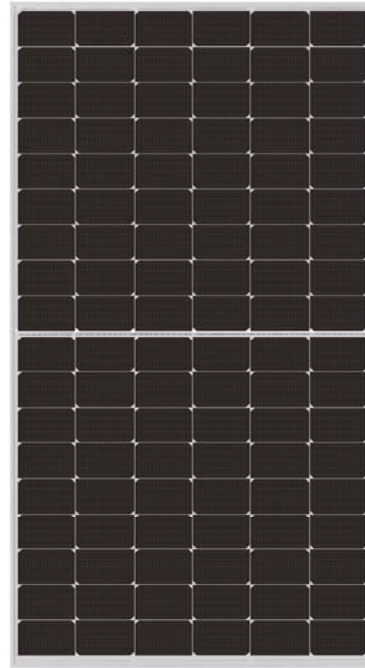
N-Type

IEC61215(2021), IEC61730(2023)

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.



Hot 2.0 Technology

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

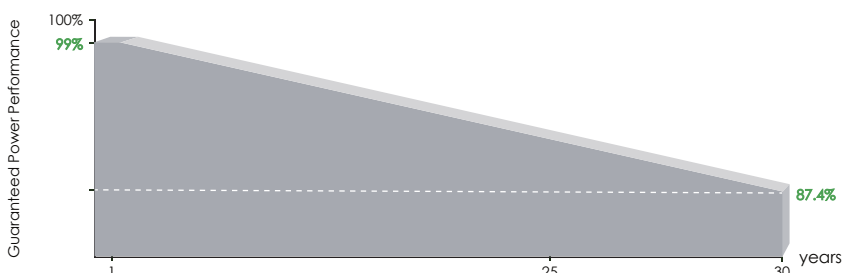


Enhanced Mechanical Load

Certified to withstand: wind load (4000 Pascal) and snow load (6000 Pascal).



LINEAR PERFORMANCE WARRANTY



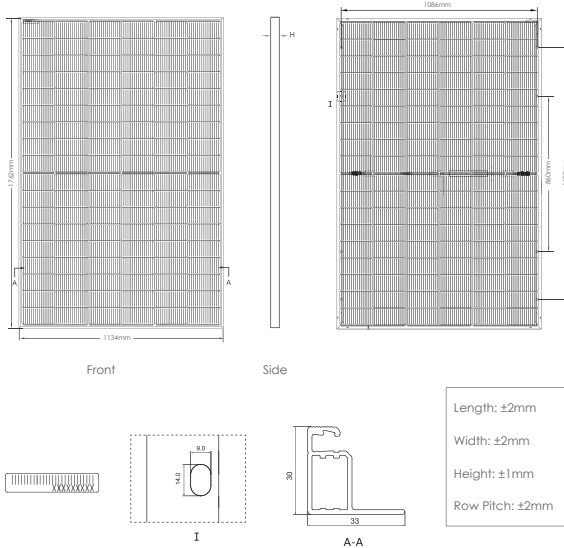
30* Year Product Warranty

30Year Linear Power Warranty

0.40%Annual Degradation Over 30 years

*The product warranty is only applicable in Australia

Engineering Drawings



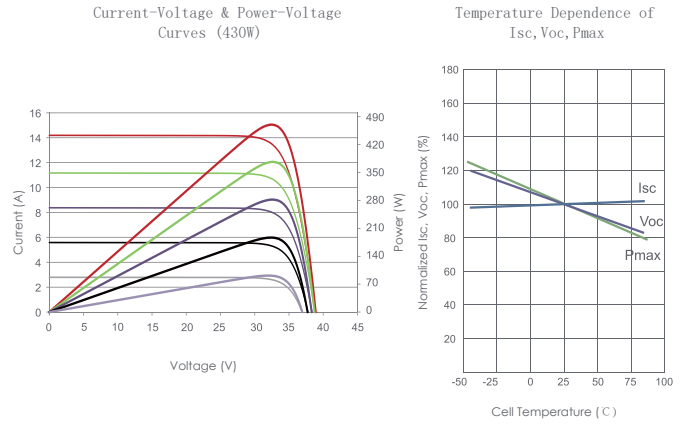
*This tolerance range applies only to the four-angle distance of the module as indicated above.

Packaging Configuration

(Two pallets = One stack)

36pcs/pallets, 72pcs/stack, 864pcs/ 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 (69.37×44.65×1.18 inch)
Weight	24.5 kg (54.01 lbs)
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4.0mm ² (+): 400mm, (-): 200mm or Customized Length
Connector Type	MC4/MC4EVO2/JK03M/JK03M2
Fire Class	Class C

SPECIFICATIONS

Module Type	JKM430N-54HL4R-BDV		JKM435N-54HL4R-BDV		JKM440N-54HL4R-BDV		JKM445N-54HL4R-BDV		JKM450N-54HL4R-BDV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	430Wp	324Wp	435Wp	328Wp	440Wp	332Wp	445Wp	335Wp	450Wp	339Wp
Maximum Power Voltage (Vmp)	33.08V	30.51V	33.26V	30.69V	33.44V	30.90V	33.61V	31.11V	33.79V	31.31V
Maximum Power Current (Imp)	13.00A	10.62A	13.08A	10.68A	13.16A	10.73A	13.24A	10.78A	13.32A	10.83A
Open-circuit Voltage (Voc)	39.43V	37.45V	39.63V	37.64V	39.83V	37.83V	40.03V	38.02V	40.23V	38.21V
Short-circuit Current (Isc)	13.84A	11.17A	13.91A	11.23A	13.98A	11.28A	14.05A	11.34A	14.12A	11.40A
Module Efficiency STC (%)	21.52%		21.77%		22.02%		22.27%		22.52%	
Operating Temperature (°C)	-40°C~+85°C									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	30A									
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±2°C									
Bifacial Factor	80±5%									
Power sorting tolerances	-5w~+15w									

*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