

Tiger Neo N-type 54HL4R-(V) 425-450 Watt MONO-FACIAL MODULE

N-Type

Positive power tolerance of 0~+3%

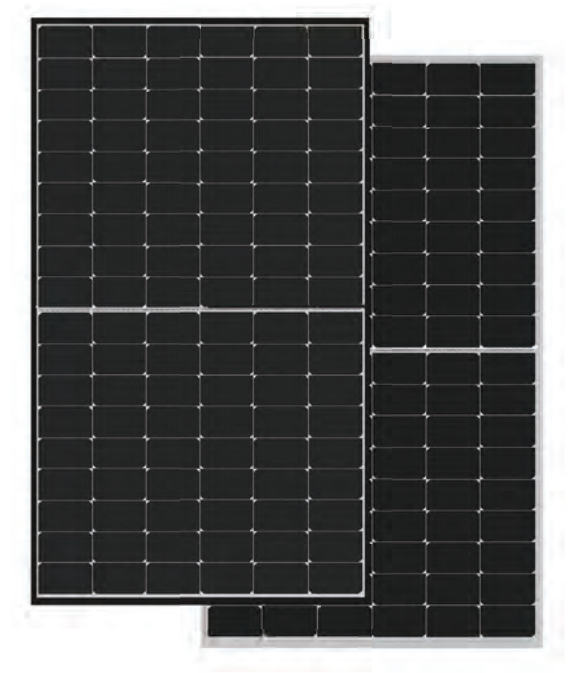
IEC61215(2016), IEC61730(2016)

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 (4000 Pascal) and snow load (6000 Pascal).



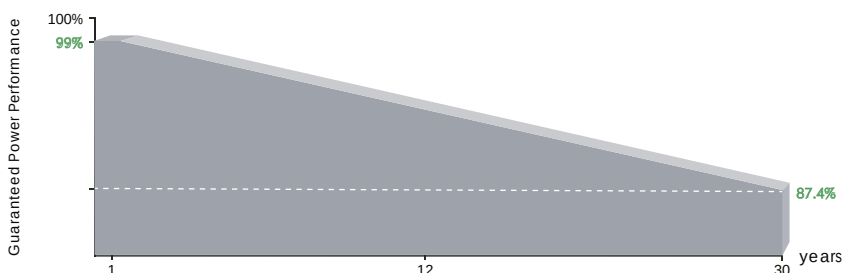
Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



POSITIVE QUALITY™
Continuous Quality Assurance

LINEAR PERFORMANCE WARRANTY

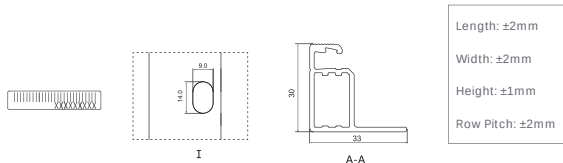
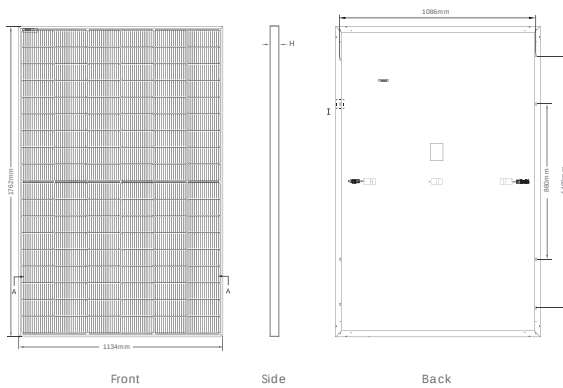


15 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings

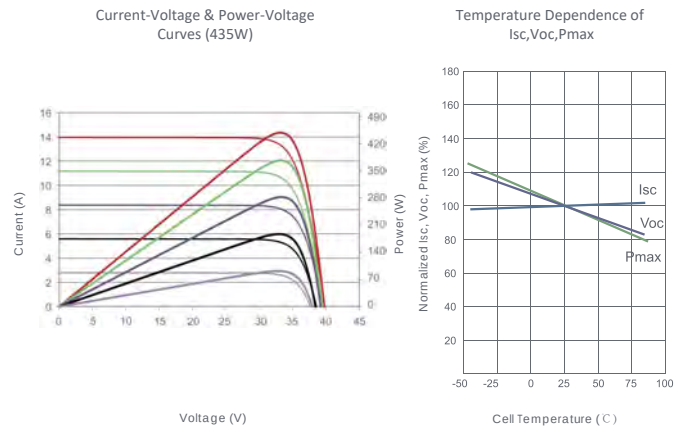


Packaging Configuration

(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 (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 1×4.0mm ² (+): 400mm, (-): 200mm or Customized Length

SPECIFICATIONS

Module Type	JKM425N-54HL4R	JKM430N-54HL4R	JKM435N-54HL4R	JKM440N-54HL4R	JKM445N-54HL4R	JKM450N-54HL4R
	JKM425N-54HL4R-V	JKM430N-54HL4R-V	JKM435N-54HL4R-V	JKM440N-54HL4R-V	JKM445N-54HL4R-V	JKM450N-54HL4R-V
	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	425Wp	320Wp	430Wp	323Wp	435Wp	327Wp
Maximum Power Voltage (Vmp)	32.18V	29.99V	32.38V	30.10V	32.59V	30.33V
Maximum Power Current (Imp)	13.21A	10.67A	13.28A	10.73A	13.35A	10.78A
Open-circuit Voltage (Voc)	38.75V	36.81V	38.95V	37.00V	39.16V	37.20V
Short-circuit Current (Isc)	13.66A	11.03A	13.73A	11.09A	13.80A	11.14A
Module Efficiency STC (%)	21.27%		21.52%		21.77%	
Operating Temperature(°C)	-40°C~+85°C					
Maximum system voltage	1000/1500VDC (IEC)					
Maximum series fuse rating	25A					
Power tolerance	0~+3%					
Temperature coefficient of Pmax	-0.29%/°C					
Temperature coefficient of Voc	-0.25%/°C					
Temperature coefficient of Isc	0.045%/°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