

# Tiger Neo N-type 54HL4R-(V) 425-445 Watt

MONO-FACIAL MODULE

#### N-Type

Positive power tolerance of 0~+3%

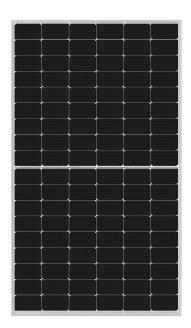
IEC61215(2016), IEC61730(2016)

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.



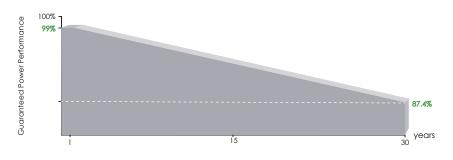








### LINEAR PERFORMANCE WARRANTY



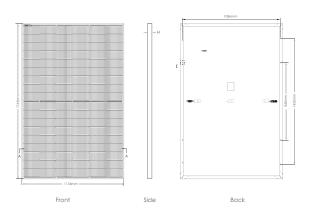
15 Year Product Warranty

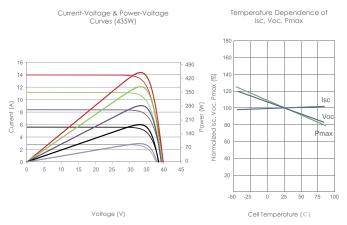
**30** Year Linear Power Warranty

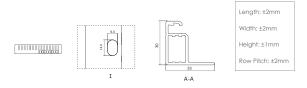
0.40% Annual Degradation Over 30 years

#### **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 (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 <sup>2</sup> (+): 400mm, (-): 200mm or Customized Length							

SPECIFICATIONS										
Module Type	JKM425N-54HL4R JKM425N-54HL4R-V		JKM430N-54HL4R JKM430N-54HL4R-V		JKM435N-54HL4R JKM435N-54HL4R-V		JKM440N-54HL4R JKM440N-54HL4R-V		JKM445N-54HL4R JKM445N-54HL4R-V	
	STC	NOCT								
Maximum Power (Pmax)	425Wp	320Wp	430Wp	323Wp	435Wp	327Wp	440Wp	331Wp	445Wp	335Wp
Maximum Power Voltage (Vmp)	32.18V	29.99V	32.38V	30.10V	32.59V	30.33V	32.81V	30.56V	33.02V	30.76V
Maximum Power Current (Imp)	13.21A	10.67A	13.28A	10.73A	13.35A	10.78A	13.41A	10.83A	13.48A	10.89A
Open-circuit Voltage (Voc)	38.75V	36.81V	38.95V	37.00V	39.16V	37.20V	39.38V	37.41V	39.59V	37.61V
Short-circuit Current (Isc)	13.66A	11.03A	13.73A	11.09A	13.80A	11.14A	13.86A	11.19A	13.93A	11.25A
Module Efficiency STC (%)	21.27%		21.52%		21.77%		22.02%		22.27%	
Operating Temperature (°C)	-40°C~+85°C									
Maximum system voltage	1000/1500VDC (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%/℃									
Nominal operating cell temperatu	trure (NOCT) 45±2°C									













