

Tiger Neo N-type 72HL4R-(V) 590-615 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.



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.

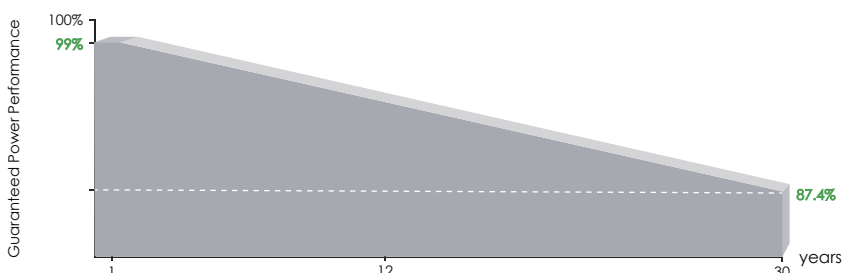


Enhanced Mechanical Load

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



LINEAR PERFORMANCE WARRANTY

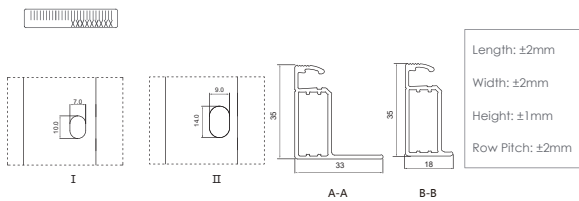
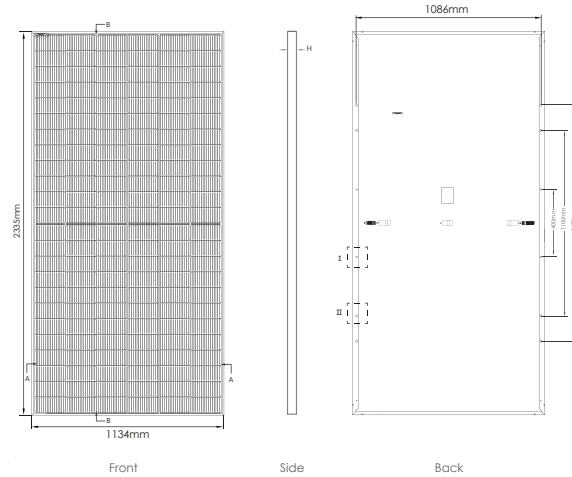


12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings



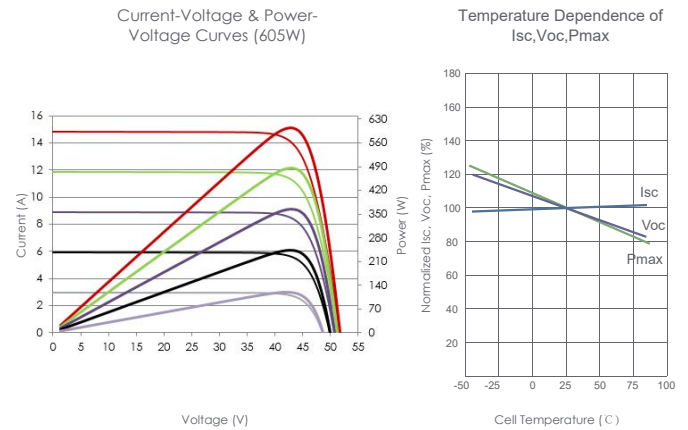
Note: For dimensional tolerances, refer to the detailed module drawings

Packaging Configuration

(Two pallets = One stack)

31pcs/pallets, 62pcs/stack, 620pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	144 (2×72)
Dimensions	2335×1134×35mm (91.93×44.65×1.38 inch)
Weight	28.5 kg (62.83 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	JKM590N-72HL4R JKM590N-72HL4R-V		JKM595N-72HL4R JKM595N-72HL4R-V		JKM600N-72HL4R JKM600N-72HL4R-V		JKM605N-72HL4R JKM605N-72HL4R-V		JKM610N-72HL4R JKM610N-72HL4R-V		JKM615N-72HL4R JKM615N-72HL4R-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	590Wp	444Wp	595Wp	447Wp	600Wp	451Wp	605Wp	455Wp	610Wp	459Wp	615Wp	462Wp
Maximum Power Voltage (Vmp)	42.67V	39.90V	42.81V	40.02V	42.95V	40.14V	43.09V	40.23V	43.24V	40.27V	43.38V	40.39V
Maximum Power Current (Imp)	13.83A	11.12A	13.90A	11.18A	13.97A	11.24A	14.04A	11.31A	14.11A	11.39A	14.18A	11.45A
Open-circuit Voltage (Voc)	51.30V	48.73V	51.41V	48.83V	51.56V	48.98V	51.71V	49.12V	51.82V	49.22V	51.95V	49.35V
Short-circuit Current (Isc)	14.63A	11.81A	14.71A	11.88A	14.79A	11.94A	14.85A	11.99A	14.95A	12.07A	15.03A	12.13A
Module Efficiency STC (%)	22.28%		22.47%		22.66%		22.85%		23.04%		23.23%	
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%/°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