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Tiger Neo N-type 72HL4-(V) 570-590 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

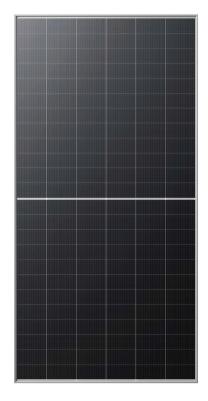
ISO45001:2018 Occupational health and safety management systems

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.



A

Enhanced Mechanical Load

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



Durability Against Extreme Environmental Conditions

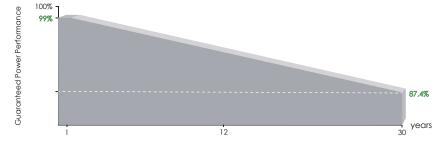
High salt mist and ammonia resistance.







LINEAR PERFORMANCE WARRANTY



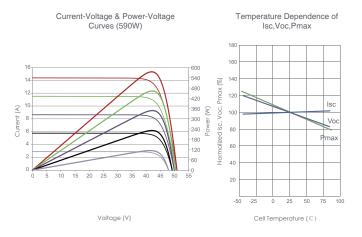
- 12 Year Product Warranty
- **30** Year Linear Power Warranty
- 0.40% Annual Degradation Over 30 years



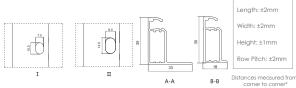


1086mm 171 .[]] 1134m

Electrical Performance & Temperature Dependence



Front



Side

Back

*For detailed sizes and tolerance specification, please consult detailed module drawing

Packaging Configuration

(Two pallets = One stack)

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

Mechanical Characteristics							
Cell Type	N type Mono-crystalline						
No. of cells	144 (6×24)						
Dimensions	2278×1134×35mm (89.69×44.65×1.38 inch)						
Weight	27 kg (59.52 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 [*] (+): 400mm , (-): 200mm or Customized Length						

SPECIFICATIONS										
Module Type	JKM 570 N-72 HL 4 JKM 570 N-72HL4- V		JKM575N-72HL4 JKM575N-72HL4-V		JKM580N-72HL4 JKM580N-72HL4-V		JKM585N-72HL4 JKM585N-72HL4-V		JKM590N-72HL4 JKM590N-72HL4-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	570Wp	430Wp	575Wp	433Wp	580Wp	437Wp	585Wp	441Wp	590Wp	445Wp
Maximum Power Voltage (Vmp)	42.99 V	40.37 V	43.17V	40.54∨	43.35V	40.70V	43.53∨	40.86∨	43.71V	41.05V
Maximum Power Current (Imp)	13.26A	10.64A	13.32A	10.69A	13.38A	10.74A	13.44A	10.79A	13.50A	10.83 A
Open-circuit Voltage (Voc)	51.99V	39.51V	52.15V	39.63V	52.31V	39.76V	52.47V	39.88V	52.63V	40.00V
Short-circuit Current (Isc)	13.89A	11.21A	13.95A	11.26A	14.01A	11.31A	14.07A	11.36A	14.13A	11.41A
Module Efficiency STC (%)	22.07%		22.26%		22.45%		22.65%		22.84%	
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 lsc	0.045%/°C									
Nominal operating cell temperatur	re (NOCT) 45±2°C									

*STC: 💥 Irradiance 1000W/m²

Cell Temperature 25°C

NOCT: is Irradiance 800W/m²

Ambient Temperature 20°C

AM=1.5

AM=1.5

Wind Speed 1m/s

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Specifications included in this datasheet are subject to change without notice.