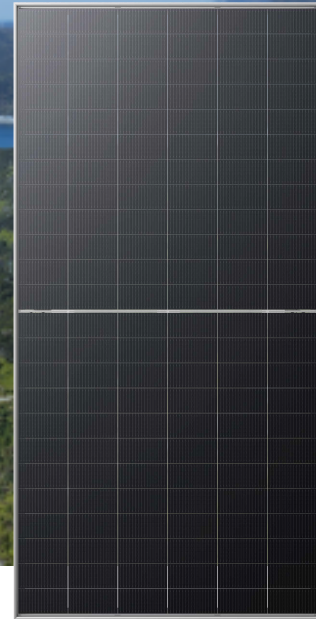


Tiger Neo N-type 72HL4-BDV-U 570-590 Watt BIFACIAL MODULE WITH DUAL GLASS N-Type

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



Corrosion Resistance Capability

Special reinforced frame and glass enhance the product's resistance to salt spary corrosion.



Reliability Assurance

Excellent performance in rigorous triple-reliability testing and composite sequence tests.



Process Optimization

Increased sealant volume enhances modules integrity, mitigating the risk of water vapor penetration.



UV Resistance Capability

Comprehensive materials upgrades for modules enhance electrical protection ability and aging resistance performance.

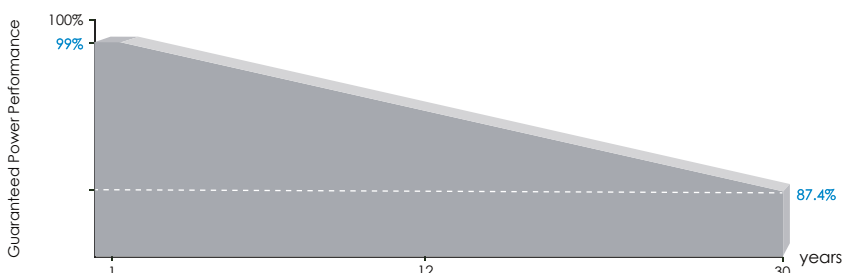


Enhanced Mechanical Load

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



LINEAR PERFORMANCE WARRANTY

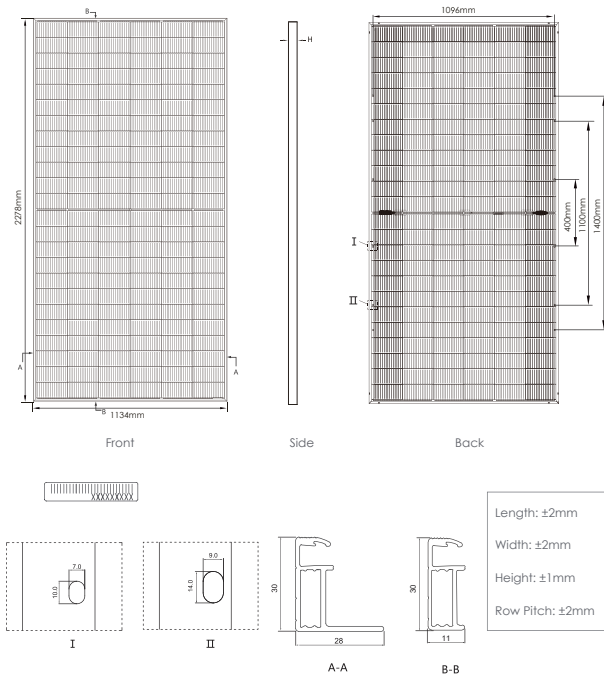


12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings

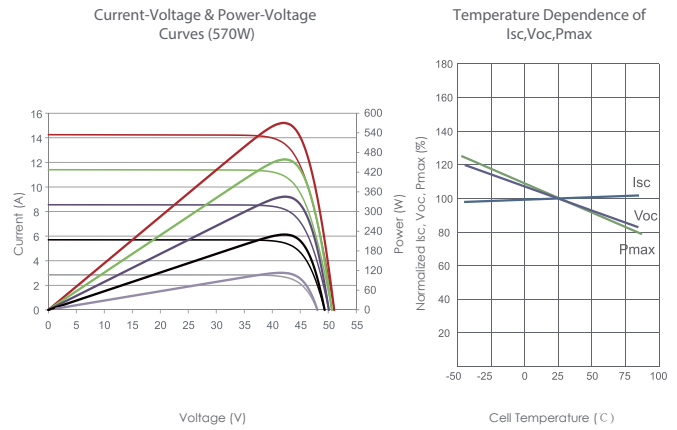


Packaging Configuration

(Two pallets = One stack)

36pcs/pallets, 72pcs/stack, 720pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	144 (2×72)
Dimensions	2278×1134×30mm (89.69×44.65×1.18 inch)
Weight	31kg (68.34 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

SPECIFICATIONS

Module Type	JKM570N-72HL4-BDV-U		JKM575N-72HL4-BDV-U		JKM580N-72HL4-BDV-U		JKM585N-72HL4-BDV-U		JKM590N-72HL4-BDV-U	
	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)	43.58V	40.56V	43.73V	40.73V	43.88V	40.89V	44.02V	41.05V	44.17V	41.21V
Maximum Power Current (Imp)	13.08A	10.59A	13.15A	10.64A	13.22A	10.69A	13.29A	10.74A	13.36A	10.79A
Open-circuit Voltage (Voc)	52.10V	39.60V	52.30V	39.75V	52.50V	39.90V	52.70V	40.05V	52.90V	40.20V
Short-circuit Current (Isc)	13.83A	11.16A	13.89A	11.21A	13.95A	11.26A	14.01A	11.31A	14.07A	11.36A
Module Efficiency STC (%)	22.07%		22.26%		22.45%		22.65%		22.84%	
Operating Temperature(°C)	-40 C ~ +85 C									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	30A									
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									
Refer. Bifacial Factor	80±5%									

*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