

Tiger Neo N-type 72HL4-BDV

590-610 Watt

BIFACIAL MODULE WITH DUAL
GLASS

N-Type

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems
(Made in China)

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.



Enhanced Mechanical Load

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



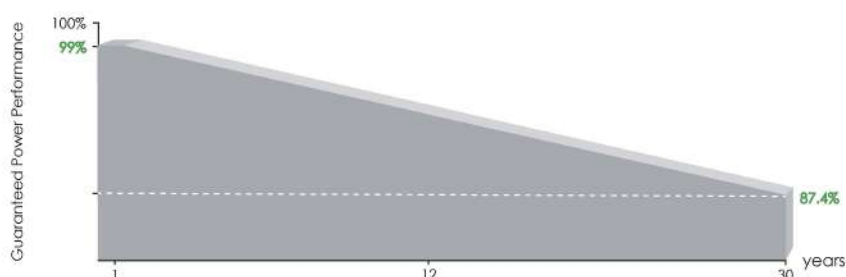
Higher Power Output

Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.



POSITIVE QUALITY™
Continuous Quality Assurance

LINEAR PERFORMANCE WARRANTY

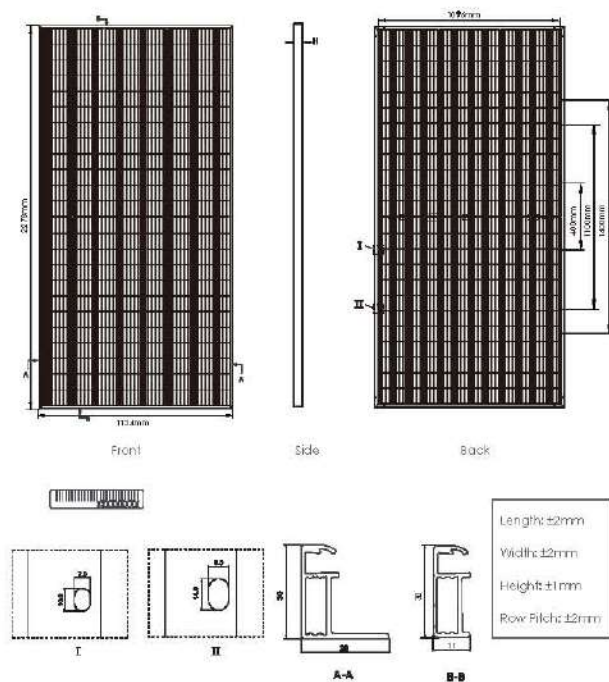


12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings



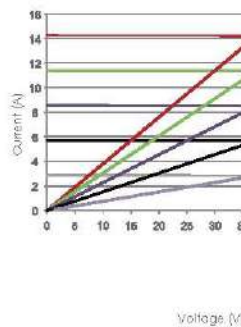
Packaging Configuration

(Two pallets = One stack)

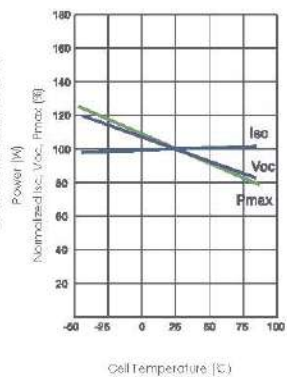
36pcs/pallets, 72pcs/stack, 720pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (570W)



Temperature Dependence of I_{sc} , V_{oc} , P_{max}



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	31 kg (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
Connector Type	10KV2Staubli MC4-JK03M/2B, JK03M2/2B, Jinko PV material 15KV2Staubli MC4-LV02JK03M/2B, JK03M2/2B, Jinko PV material
Fire Class	Class C

SPECIFICATIONS

Module Type	JKM590N-72HL4-BDV		JKM595N-72HL4-BDV		JKM600N-72HL4-BDV		JKM605N-72HL4-BDV		JKM610-72HL4-BDV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (P_{max})	590Wp	445Wp	595Wp	448Wp	600Wp	452Wp	605Wp	456Wp	610Wp	460Wp
Maximum Power Voltage (V_{mp})	42.88V	41.21V	43.03V	41.36V	43.17V	41.52V	43.31V	41.68V	43.45V	41.83V
Maximum Power Current (I_{mp})	13.76A	10.79A	13.83A	10.84A	13.90A	10.89A	13.97A	10.94A	14.04A	10.99A
Open-circuit Voltage (V_{oc})	51.86V	40.20V	52.06V	40.36V	52.25V	40.51V	52.44V	40.66V	52.63V	40.81V
Short-circuit Current (I_{sc})	14.49A	11.36A	14.55A	11.41A	14.61A	11.45A	14.67A	11.50A	14.73A	11.55A
Module Efficiency STC (%)	22.84%		23.03%		23.23%		23.42%		23.61%	
Operating Temperature (°C)	-40°C~+85°C									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	30A									
Power tolerance	0~+3%									
Power measurement tolerances	-3%~+3%									
Temperature coefficients of P_{max}	-0.29%/°C									
Temperature coefficients of V_{oc}	-0.25%/°C									
Temperature coefficients of I_{sc}	0.045%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									
Refer. Bifacial Factor	80±5%									

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		JKM590N-72HL4-BDV	JKM595N-72HL4-BDV	JKM600N-72HL4-BDV	JKM605N-72HL4-BDV	JKM610-72HL4-BDV
5%	Maximum Power (P_{max})	620Wp	625Wp	630Wp	635Wp	641Wp
	Module Efficiency STC (%)	23.98%	24.19%	24.39%	24.59%	24.79%
15%	Maximum Power (P_{max})	679Wp	684Wp	690Wp	696Wp	702Wp
	Module Efficiency STC (%)	26.27%	26.49%	26.71%	26.93%	27.16%
25%	Maximum Power (P_{max})	738Wp	744Wp	750Wp	756Wp	763Wp
	Module Efficiency STC (%)	28.55%	28.79%	29.03%	29.28%	29.52%

*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