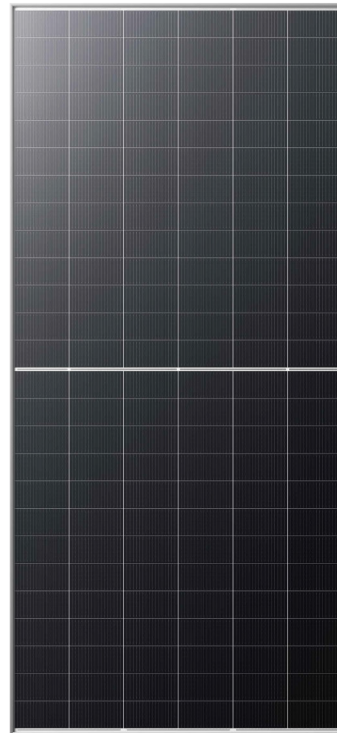


Tiger Neo N-type 78HL4-BDV 605-610 Watt

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.



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



Higher Power Output

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



Hot 2.0 Technology

The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.

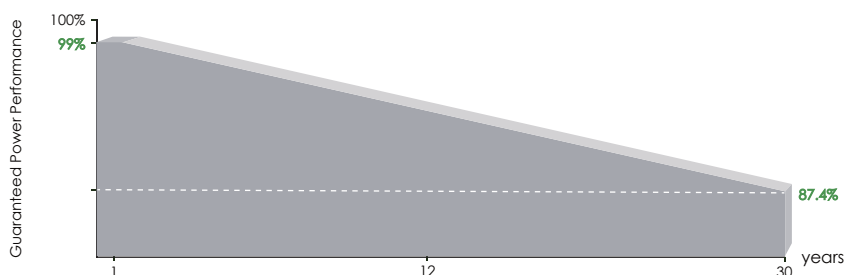


Enhanced Mechanical Load

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



LINEAR PERFORMANCE WARRANTY

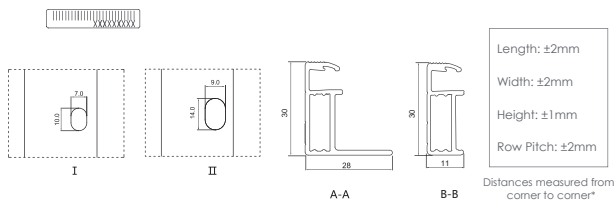
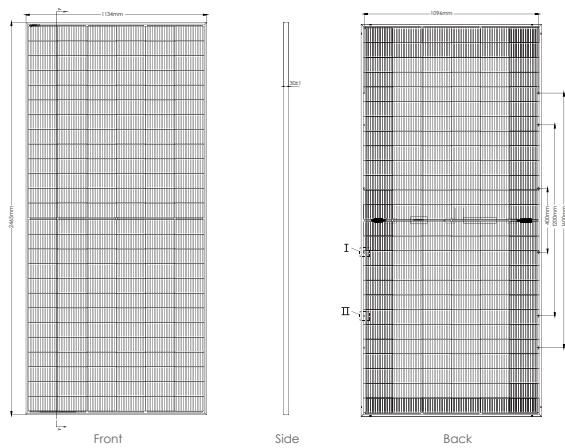


12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings



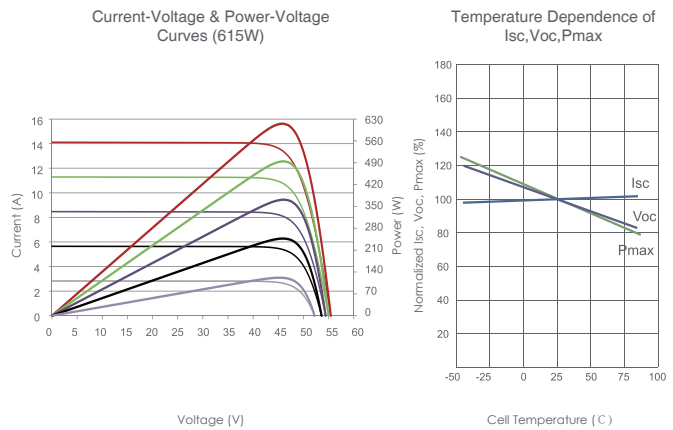
*For detailed sizes and tolerance specification, please consult detailed module drawing

Packaging Configuration

(Two pallets = One stack)

36pcs/pallets, 72pcs/stack, 576pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	156 (2×78)
Dimensions	2465×1134×30mm (97.05×44.65×1.18 inch)
Weight	34kg (74.96lbs)
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	1000V:Staubli MC4,JK03M/2B, JK03M2/2B, Jinko PV material 1500V:Staubli MC4-EVO2:JK03M/2B, JK03M2/2B, Jinko PV material
Fire Rating	Class C

SPECIFICATIONS

Module Type	JKM605N-78HL4-BDV		JKM610N-78HL4-BDV	
	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	605Wp	456Wp	610Wp	460Wp
Maximum Power Voltage (Vmp)	46.87V	44.09V	47.04V	44.24V
Maximum Power Current (Imp)	12.91A	10.34A	12.97A	10.39A
Open-circuit Voltage (Voc)	56.43V	53.60V	56.56V	53.73V
Short-circuit Current (Isc)	13.56A	10.95A	13.62A	10.99A
Module Efficiency STC (%)	21.64%		21.82%	
Operating Temperature(°C)	-40℃~+85℃			
Maximum system voltage	1500VDC (IEC) with-v=1500v			
Maximum series fuse rating	30A			
Power Measurement tolerance	-3%~+3%			
Power Sorting tolerance	-5W~+15W			
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℃			
Refer. Bifacial Factor	80±5%			

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

5%	Maximum Power (Pmax)	635Wp	640Wp
	Module Efficiency STC (%)	22.72%	22.91%
15%	Maximum Power (Pmax)	696Wp	701Wp
	Module Efficiency STC (%)	24.88%	25.10%
25%	Maximum Power (Pmax)	756Wp	762Wp
	Module Efficiency STC (%)	27.05%	27.28%

*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

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

JKM605-610N-78HL4-BDV-F7C1-EN