

Tiger Neo N-type 78HL4-BDV 600-620 Watt

BIFACIAL MODULE WITH
DUAL GLASS

N-Type

Positive power tolerance of 0~+3%

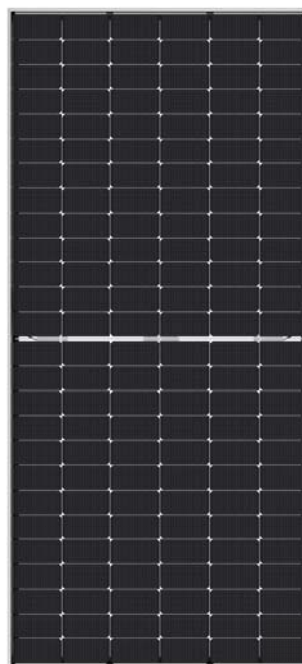
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems



Key Features



SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



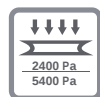
Hot 2.0 Technology

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.



Enhanced Mechanical Load

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



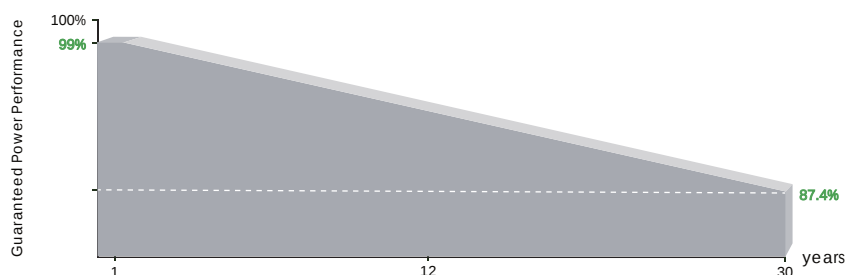
Higher Power Output

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



POSITIVE QUALITY™
Continuous Quality Assurance

LINEAR PERFORMANCE WARRANTY

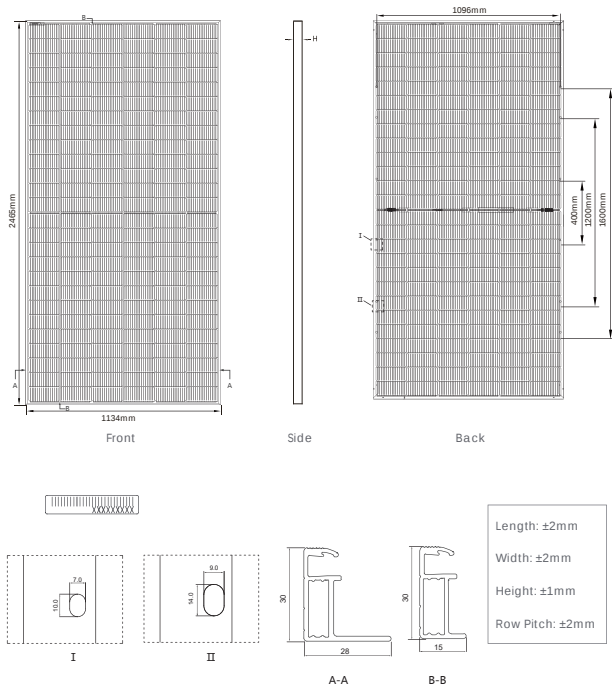


12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings

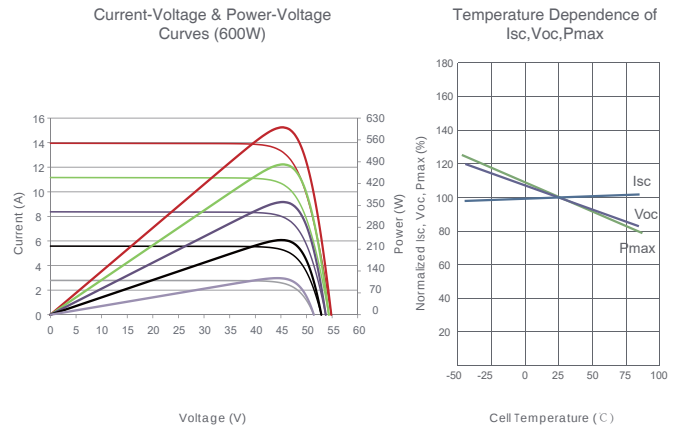


Packaging Configuration

(Two pallets = One stack)

36pcs/pallets, 72pcs/stack, 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	34.6kg (76.38 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	JKM600N-78HL4-BDV		JKM605N-78HL4-BDV		JKM610N-78HL4-BDV		JKM615N-78HL4-BDV		JKM620N-78HL4-BDV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	600Wp	451Wp	605Wp	455Wp	610Wp	459Wp	615Wp	462Wp	620Wp	466Wp
Maximum Power Voltage (Vmp)	45.25V	42.12V	45.42V	42.23V	45.60V	42.35V	45.77V	42.46V	45.93V	42.57V
Maximum Power Current (Imp)	13.26A	10.71A	13.32A	10.77A	13.38A	10.83A	13.44A	10.89A	13.50A	10.95A
Open-circuit Voltage (Voc)	55.03V	52.27V	55.17V	52.41V	55.31V	52.54V	55.44V	52.66V	55.58V	52.79V
Short-circuit Current (Isc)	13.87A	11.20A	13.95A	11.26A	14.03A	11.33A	14.11A	11.39A	14.19A	11.46A
Module Efficiency STC (%)	21.46%		21.64%		21.82%		22.00%		22.18%	
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	-0.30%/°C									
Temperature coefficients of Voc	-0.25%/°C									
Temperature coefficients of Isc	0.046%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									
Refer. Bifacial Factor	80±5%									

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

5%	Maximum Power (Pmax)	630Wp	635Wp	641Wp	646Wp	651Wp
	Module Efficiency STC (%)	22.54%	22.73%	22.91%	23.10%	23.29%
15%	Maximum Power (Pmax)	690Wp	696Wp	702Wp	707Wp	713Wp
	Module Efficiency STC (%)	24.68%	24.89%	25.10%	25.30%	25.51%
25%	Maximum Power (Pmax)	750Wp	756Wp	763Wp	769Wp	775Wp
	Module Efficiency STC (%)	26.83%	27.05%	27.28%	27.50%	27.73%

*STC: Irradiance 1000W/m² Cell Temperature 25°C

NOCT: Irradiance 800W/m² Ambient Temperature 20°C

AM=1.5

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Wind Speed 1m/s