

# Tiger Neo N-type

## 66HL4M-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.



#### Enhanced Mechanical Load

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

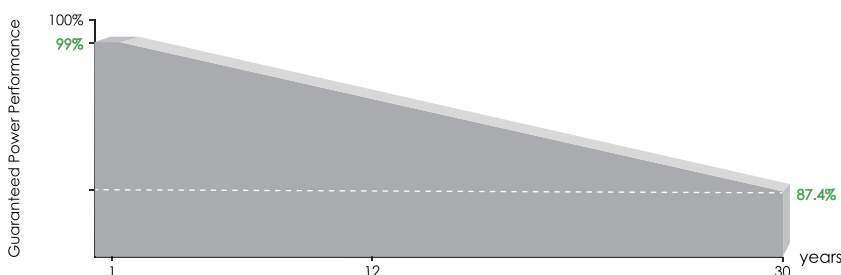


#### Higher Power Output

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



## LINEAR PERFORMANCE WARRANTY

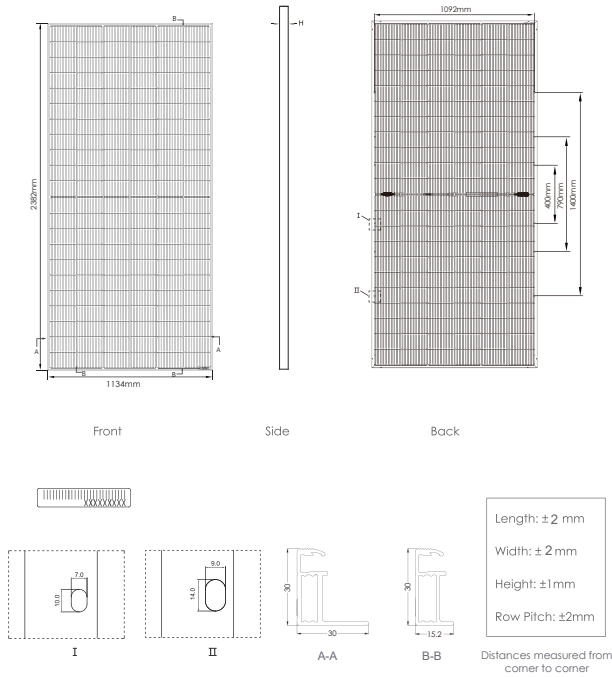


**12** Year Product Warranty

**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

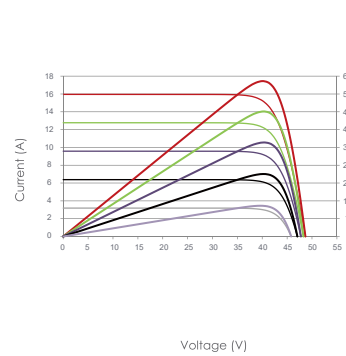
## Packaging Configuration

( Two pallets = One stack )

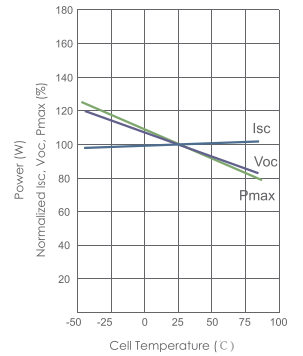
36pcs/pallets, 72pcs/stack, 720pcs/ 40'HQ Container

## Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (610W)



Temperature Dependence of Isc, Voc, Pmax



## Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	132 (2×66)
Dimensions	2382×1134×30mm (93.78×44.65×1.18 inch)
Weight	32.4 kg (71.43 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 <sup>2</sup> (+): 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 Class	Class C

## SPECIFICATIONS

Module Type	JKM590N-66HL4M-BDV		JKM595N-66HL4M-BDV		JKM600N-66HL4M-BDV		JKM605N-66HL4M-BDV		JKM610N-66HL4M-BDV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	590Wp	446Wp	595Wp	449Wp	600Wp	453Wp	605Wp	457Wp	610Wp	461Wp
Maximum Power Voltage (Vmp)	39.87V	37.25V	40.02V	37.45V	40.16V	37.60V	40.31V	37.76V	40.46V	37.92V
Maximum Power Current (Imp)	14.8A	11.96A	14.87A	12.00A	14.94A	12.05A	15.01A	12.10A	15.08A	12.15A
Open-circuit Voltage (Voc)	47.88V	45.48V	48.08V	45.67V	48.28V	45.86V	48.48V	46.05V	48.68V	46.24V
Short-circuit Current (Isc)	15.72A	12.69A	15.78A	12.74A	15.84A	12.79A	15.90A	12.83A	15.96A	12.88A
Module Efficiency STC (%)	21.84%		22.03%		22.21%		22.40%		22.58%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	35A									
Power Measurement Tolerances	-3%+3%									
Power Sorting Tolerances	-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°C									
Refer. Bifacial Factor	80±5%									

\*STC: Irradiance 1000W/m<sup>2</sup>

Cell Temperature 25°C

AM=1.5

NOCT: Irradiance 800W/m<sup>2</sup>

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.

JKM600-625N-66HL4M-BDV-F1-EN