

Tiger Pro N-type

72HL4-BDV

550-570 Watt

BIFACIAL MODULE WITH DUAL GLASS

N-Type

Positive power tolerance of 0~+3%

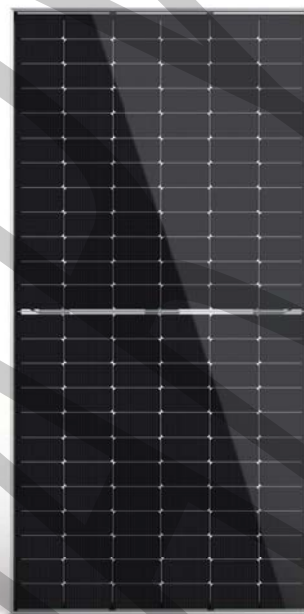
IEC61215(2016), IEC61730(2016)

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).

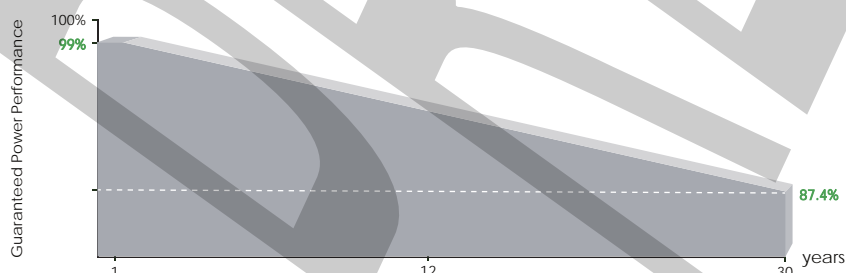


Higher Power Output

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



LINEAR PERFORMANCE WARRANTY

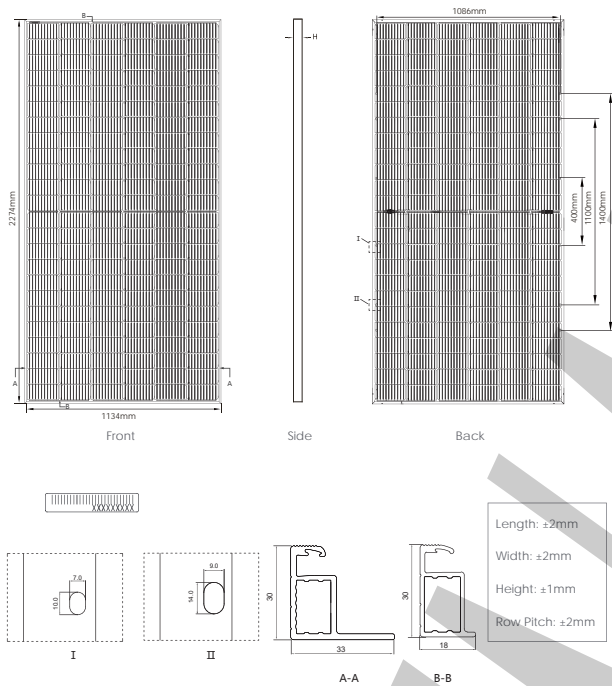


12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings



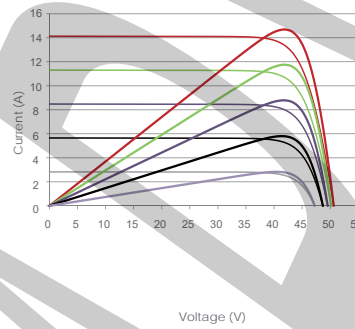
Packaging Configuration

(Two pallets = One stack)

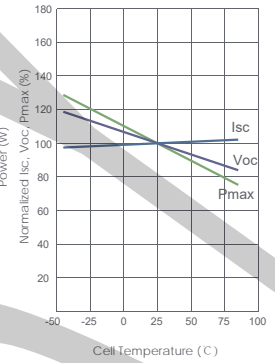
35pcs/pallets, 70pcs/stack, 700pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (560W)



Temperature Dependence of Isc, Voc, Pmax



Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	144 (6×24)
Dimensions	2274×1134×30mm (89.53×44.65×1.18 inch)
Weight	32 kg (70.55 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	JKM550N-72HL4-BDV		JKM555N-72HL4-BDV		JKM560N-72HL4-BDV		JKM565N-72HL4-BDV		JKM570N-72HL4-BDV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	550Wp	410Wp	555Wp	414Wp	560Wp	418Wp	565Wp	421Wp	570Wp	425Wp
Maximum Power Voltage (Vmp)	41.58V	38.51V	41.77V	38.71V	41.95V	38.88V	42.14V	39.04V	42.32V	39.21V
Maximum Power Current (Imp)	13.23A	10.65A	13.29A	10.69A	13.35A	10.74A	13.41A	10.79A	13.47A	10.84A
Open-circuit Voltage (Voc)	50.27V	47.45V	50.46V	47.63V	50.64V	47.80V	50.83V	47.98V	51.01V	48.15V
Short-circuit Current (Isc)	14.01A	11.32A	14.07A	11.36A	14.13A	11.41A	14.19A	11.46A	14.25A	11.51A
Module Efficiency STC (%)	21.33%		21.52%		21.72%		21.91%		22.10%	
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	-0.28%/°C									
Temperature coefficients of Isc	0.048%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									
Refer. Bifacial Factor	80±5%									

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		578Wp	583Wp	588Wp	593Wp	599Wp
5%	Maximum Power (Pmax)	578Wp	583Wp	588Wp	593Wp	599Wp
	Module Efficiency STC (%)	22.39%	22.60%	22.80%	23.01%	23.21%
15%	Maximum Power (Pmax)	633Wp	638Wp	644Wp	650Wp	656Wp
	Module Efficiency STC (%)	24.53%	24.75%	24.97%	25.20%	25.42%
25%	Maximum Power (Pmax)	715Wp	722Wp	728Wp	735Wp	741Wp
	Module Efficiency STC (%)	27.73%	27.98%	28.23%	28.48%	28.74%

*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