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Building Your Trust in Solar

Tiger Pro 72HC-TV

525-545 Watt

BIFACIAL MODULE WITH TRANSPARENT BACKSHEET

P-Type

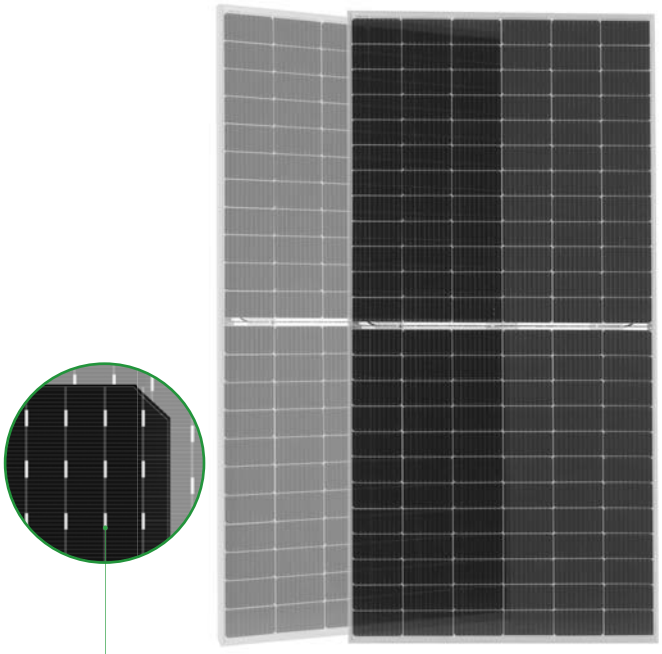
Positive power tolerance of 0~+3%

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018
Occupational health and safety management systems



Bifacial Technology

Key Features

Multi Busbar Technology

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

Longer Life-time Power Yield

0.45% annual power degradation and 30 year linear power warranty.

Light-weight design

Light-weight design using transparent backsheet for easy installation and low BOS cost.

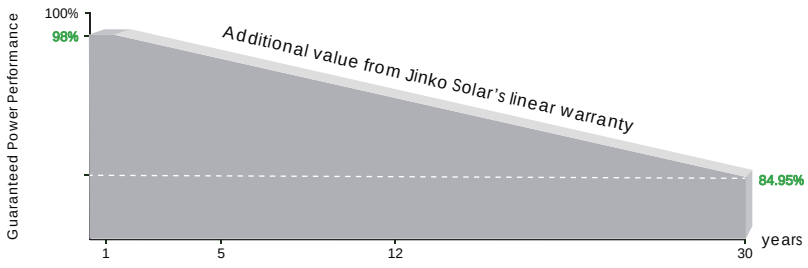
Enhanced Mechanical Load

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

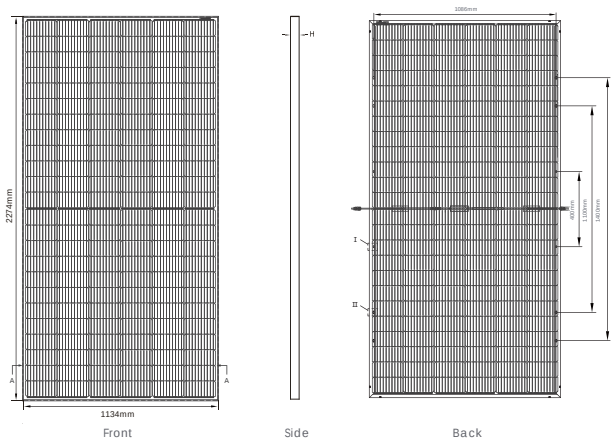


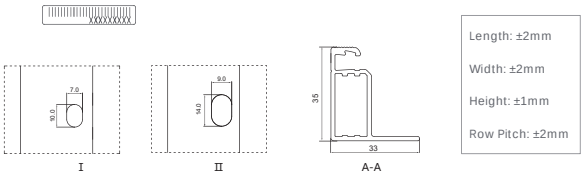
12 Year Product Warranty

30 Year Linear Power Warranty

0.45% Annual Degradation Over 30 years

Engineering Drawings





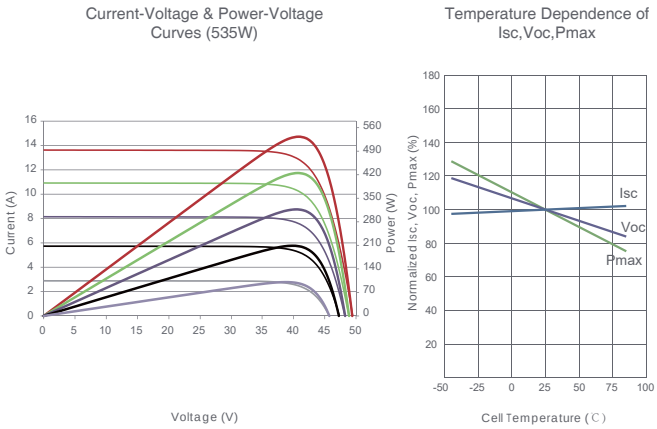
Length: ±2mm
Width: ±2mm
Height: ±1mm
Row Pitch: ±2mm

Packaging Configuration

(Two pallets = One stack)

31pcs/pallets, 62pcs/stack, 620pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	144 (6×24)
Dimensions	2274×1134×35mm (89.53×44.65×1.38 inch)
Weight	28.9 kg (63.7 lbs)
Front Glass	3.2mm,Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4.0mm² (+): 400mm , (-): 200mm or Customized Length

SPECIFICATIONS

Module Type	JKM525M-72HL4-TV		JKM530M-72HL4-TV		JKM535M-72HL4-TV		JKM540M-72HL4-TV		JKM545M-72HL4-TV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	525Wp	391Wp	530Wp	394Wp	535Wp	398Wp	540Wp	402Wp	545Wp	405Wp
Maximum Power Voltage (Vmp)	40.61V	37.74V	40.71V	37.88V	40.81V	37.98V	40.91V	38.08V	41.07V	38.18V
Maximum Power Current (Imp)	12.93A	10.35A	13.02A	10.41A	13.11A	10.48A	13.20A	10.55A	13.27A	10.62A
Open-circuit Voltage (Voc)	49.27V	46.50V	49.35V	46.58V	49.42V	46.65V	49.49V	46.71V	49.65V	46.86V
Short-circuit Current (Isc)	13.64A	11.02A	13.71A	11.07A	13.79A	11.14A	13.87A	11.20A	13.94A	11.26A
Module Efficiency STC (%)	20.36%		20.55%		20.75%		20.94%		21.13%	
Operating Temperature(℃)	-40℃~+85℃									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	30A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.35%/℃									
Temperature coefficients of Voc	-0.28%/℃									
Temperature coefficients of Isc	0.048%/℃									
Nominal operating cell temperature (NOCT)	45±2℃									
Refer. Bifacial Factor	70±5%									

BIFACIAL OUTPUT-REARSIDE POWER GAIN

5%	Maximum Power (Pmax)	551Wp	557Wp	562Wp	567Wp	572Wp
	Module Efficiency STC (%)	21.38%	21.58%	21.78%	21.99%	22.19%
15%	Maximum Power (Pmax)	604Wp	610Wp	615Wp	621Wp	623Wp
	Module Efficiency STC (%)	23.41%	23.64%	23.86%	24.08%	24.30%
25%	Maximum Power (Pmax)	656Wp	663Wp	669Wp	675Wp	681Wp
	Module Efficiency STC (%)	25.45%	25.69%	25.93%	26.18%	26.42%

*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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Building **Your Trust** in Solar

Tiger Neo N-type 78HL4-(V)

615-635 Watt

MONO-FACIAL MODULE

N-Type

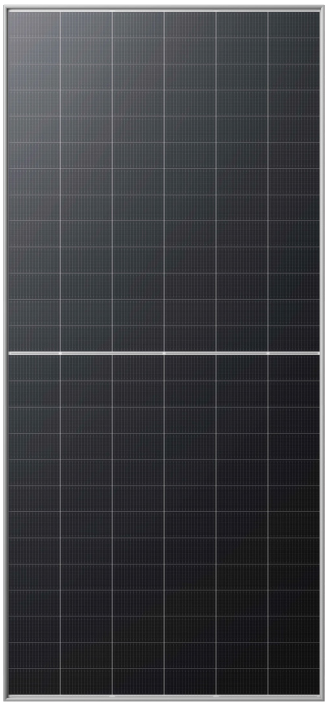
Positive power tolerance of 0~+3%

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.

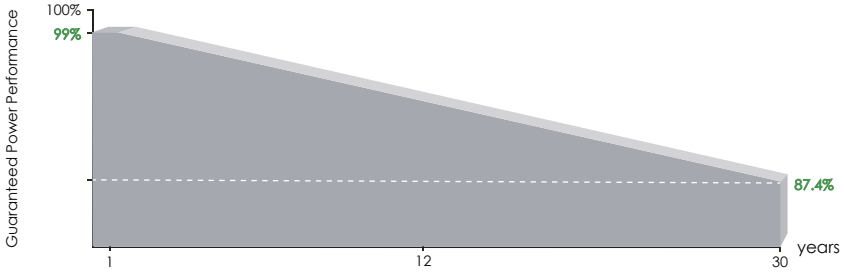
Enhanced Mechanical Load

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

Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

LINEAR PERFORMANCE WARRANTY

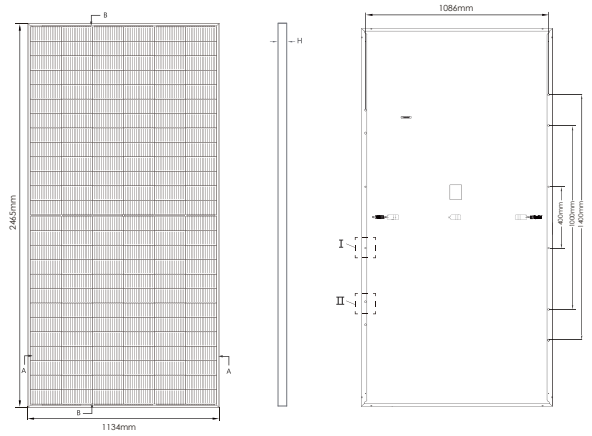


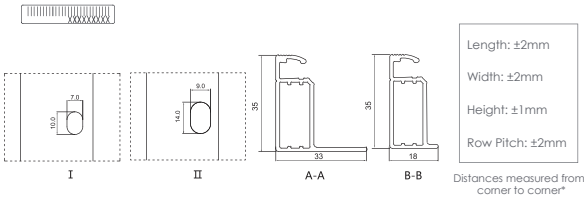
12 Year Product Warranty

30 Year Linear Power Warranty

0.40% Annual Degradation Over 30 years

Engineering Drawings





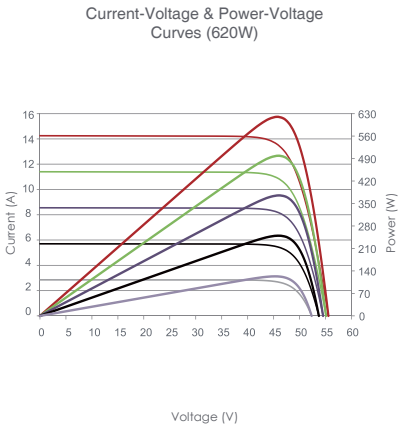
*For detailed sizes and tolerance specification, please consult detailed module drawing

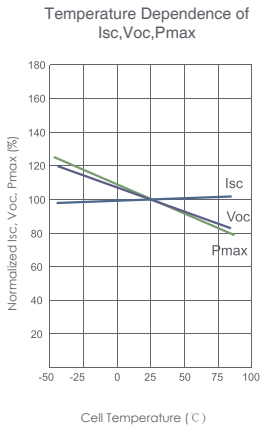
Packaging Configuration

(Two pallets = One stack)

31pcs/pallets, 62pcs/stack, 496pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence





Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	156 (2×78)
Dimensions	2465×1134×35mm (97.05×44.65×1.38 inch)
Weight	29.5 kg (65.04lbs)
Front Glass	3.2mm,Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4.0mm² (+): 400mm , (-): 200mm or Customized Length

SPECIFICATIONS

Module Type	JKM615N-78HL4 JKM615N-78HL4-V		JKM620N-78HL4 JKM620N-78HL4-V		JKM625N-78HL4 JKM625N-78HL4-V		JKM630N-78HL4 JKM630N-78HL4-V		JKM635N-78HL4 JKM635N-78HL4-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	615Wp	463Wp	620Wp	467Wp	625Wp	471Wp	630Wp	475Wp	635Wp	479Wp
Maximum Power Voltage (Vmp)	46.81V	43.85V	46.97V	44.00V	47.14V	44.14V	47.30V	44.29V	47.46V	44.43V
Maximum Power Current (Imp)	13.14A	10.57A	13.20A	10.62A	13.26A	10.67A	13.32A	10.72A	13.38A	10.77A
Open-circuit Voltage (Voc)	56.25V	42.75V	56.40V	42.86V	56.55V	42.98V	56.70V	43.09V	56.85V	43.21V
Short-circuit Current (Isc)	13.80A	11.14A	13.86A	11.19A	13.92A	11.24A	13.98A	11.28A	14.04A	11.33A
Module Efficiency STC (%)	22.00%		22.18%		22.36%		22.54%		22.72%	
Operating Temperature(℃)	-40℃~+85℃									
Maximum system voltage	1000/1500VDC (IEC)									
Maximum series fuse rating	25A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.29%/℃									
Temperature coefficients of Voc	-0.25%/℃									
Temperature coefficients of Isc	0.045%/℃									
Nominal operating cell temperature (NOCT)	45±2℃									

*STC: Irradiance 1000W/m² Cell Temperature 25℃ AM=1.5

NOCT: Irradiance 800W/m² Ambient Temperature 20℃ AM=1.5 Wind Speed 1m/s