

Tiger Pro 72HC-BDVP

525-545 Watt

BIFACIAL MODULE WITH DUAL GLASS

P-Type

Positive power tolerance of 0~+3%

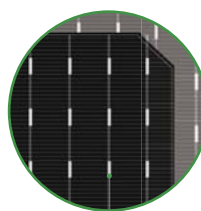
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

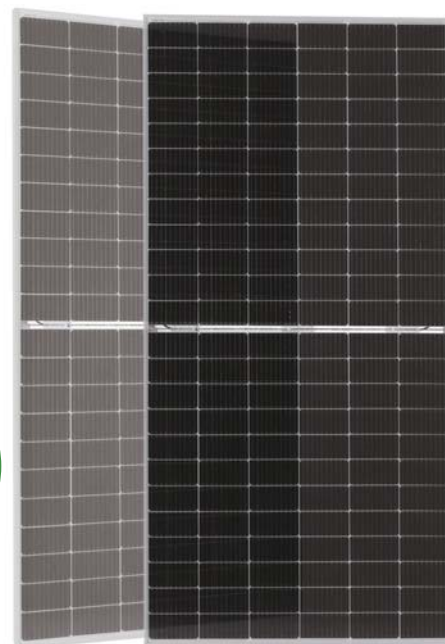
ISO14001:2015: Environment Management System

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.



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).



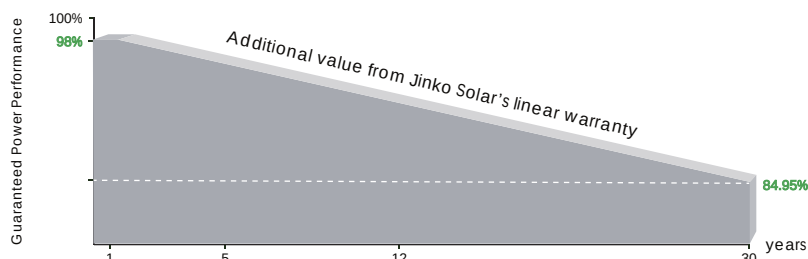
Higher Power Output

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



Continuous Quality Assurance

LINEAR PERFORMANCE WARRANTY

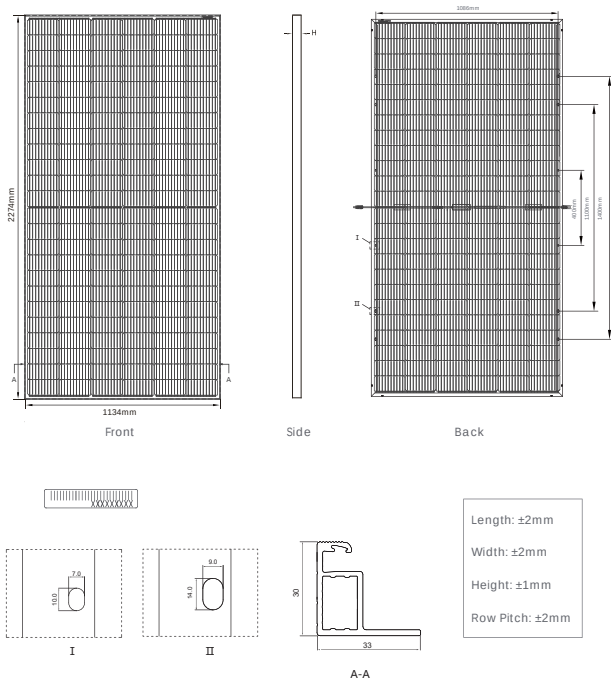


12 Year Product Warranty

30 Year Linear Power Warranty

0.45% Annual Degradation Over 30 years

Engineering Drawings

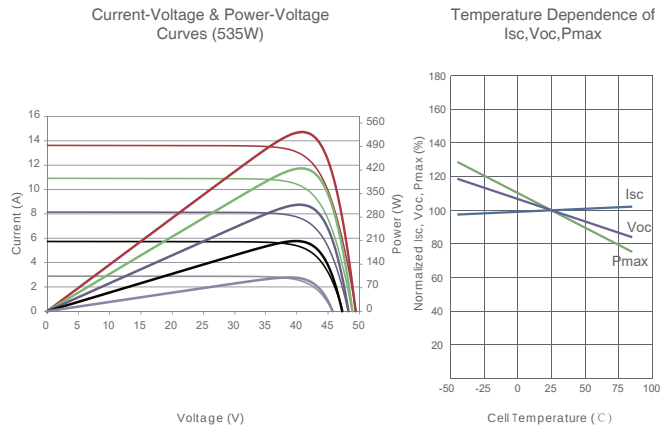


Packaging Configuration

(Two pallets = One stack)

35pcs/pallets, 70pcs/stack, 630pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	144 (6×24)
Dimensions	2274×1134×30mm (89.53×44.65×1.18 inch)
Weight	34.3 kg (75.6 lbs)
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Anti-Reflection Coating
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1×4.0mm ² (+): 400mm , (-): 200mm or Customized Length

SPECIFICATIONS

this is the type we use

Module Type	JKM525M-72HL4-BDVP		JKM530M-72HL4-BDVP		JKM535M-72HL4-BDVP		JKM540M-72HL4-BDVP		JKM545M-72HL4-BDVP	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (P_{max})	525Wp	391Wp	530Wp	394Wp	535Wp	398Wp	540Wp	402Wp	545Wp	405Wp
Maximum Power Voltage (V_{mp})	40.80V	37.81V	40.87V	37.88V	40.94V	37.94V	41.13V	38.08V	41.32V	38.25V
Maximum Power Current (I_{mp})	12.87A	10.33A	12.97A	10.41A	13.07A	10.49A	13.13A	10.55A	13.19A	10.60A
Open-circuit Voltage (V_{oc})	49.42V	46.65V	49.48V	46.70V	49.54V	46.76V	49.73V	46.94V	49.92V	47.12V
Short-circuit Current (I_{sc})	13.63A	11.01A	13.73A	11.09A	13.83A	11.17A	13.89A	11.22A	13.95A	11.27A
Module Efficiency STC (%)	20.36%		20.55%		20.75%		20.94%		21.13%	
Operating Temperature (°C)	-40°C~+85°C									
Maximum system voltage	1500VDC (IEC)									
Maximum series fuse rating	30A									
Power tolerance	0~+3%									
Temperature coefficients of P_{max}	-0.35%/°C									
Temperature coefficients of V_{oc}	-0.28%/°C									
Temperature coefficients of I_{sc}	0.048%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									
Refer. Bifacial Factor	70±5%									

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		5%	15%	25%		
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

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

AM=1.5

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Wind Speed 1m/s