

Tiger Pro 72HC-BDVP

520-530 Watt

BIFACIAL MODULE WITH DUAL GLASS

P-Type

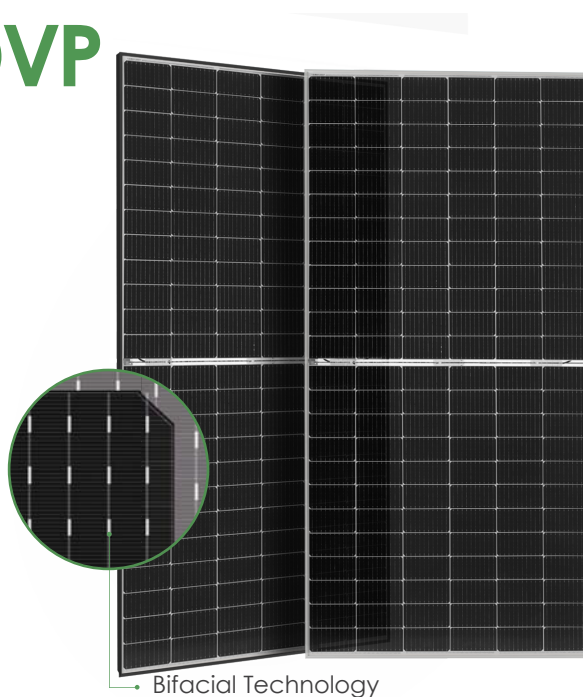
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems
(Made in China)



Key Features



Multi Busbar Technology

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



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



Higher Power Output

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



Longer Life-time Power Yield

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



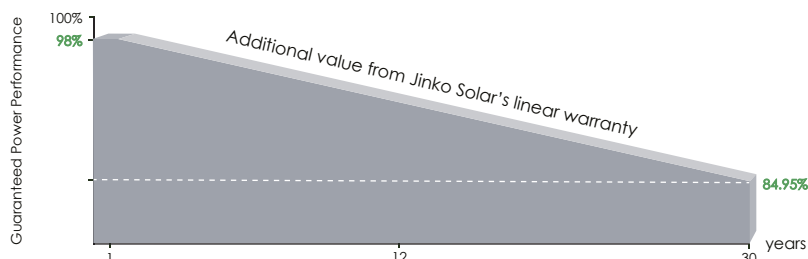
Enhanced Mechanical Load

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



Continuous Quality Assurance

LINEAR PERFORMANCE WARRANTY

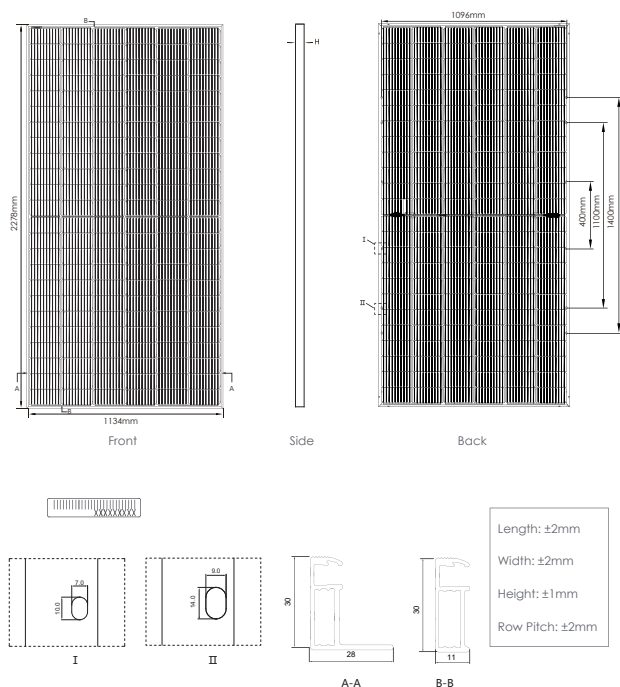


12 Year Product Warranty

30 Year Linear Power Warranty

0.45% Annual Degradation Over 30 years

Engineering Drawings

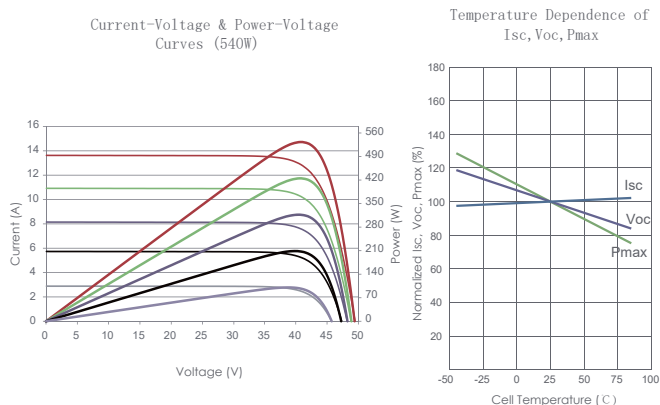


Packaging Configuration

(Two pallets = One stack)

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

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	144 (6×24)
Dimensions	2278×1134×30mm (89.69×44.65×1.18 inch)
Weight	31 kg (68.34bs)
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
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	JKM520M-72HL4-BDVP		JKM525M-72HL4-BDVP		JKM530M-72HL4-BDVP	
	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	520Wp	387Wp	525Wp	391Wp	530Wp	394Wp
Maximum Power Voltage (Vmp)	40.73V	37.74V	40.80V	37.81V	40.87V	37.88V
Maximum Power Current (Imp)	12.77A	10.25A	12.87A	10.33A	12.97A	10.41A
Open-circuit Voltage (Voc)	49.36V	46.59V	49.42V	46.65V	49.48V	46.70V
Short-circuit Current (Isc)	13.53A	10.93A	13.63A	11.01A	13.73A	11.09A
Module Efficiency STC (%)	20.17%		20.36%		20.55%	
Operating Temperature(°C)	-40°C~+85°C					
Maximum system voltage	1500VDC (IEC)					
Maximum series fuse rating	30A					
Power measurement tolerance	-3%~+3%					
Power sorting tolerance	-5W~+15W					
Temperature coefficients of Pmax	-0.35%/°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	70±5%					

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		546Wp	551Wp	556Wp
5%	Maximum Power (Pmax)	546Wp	551Wp	556Wp
	Module Efficiency STC (%)	21.18%	21.38%	21.58%
15%	Maximum Power (Pmax)	598Wp	604Wp	610Wp
	Module Efficiency STC (%)	23.20%	23.41%	23.63%
25%	Maximum Power (Pmax)	659Wp	656Wp	662Wp
	Module Efficiency STC (%)	25.21%	25.45%	25.69%

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

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

AM=1.5

AM=1.5

Wind Speed 1m/s