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Solar JinKO
Building Your Trust in Solar

Tiger Pro 72HL4-BDVP

540-555 Watt

BIFACIAL MODULE WITH DUAL GLASS

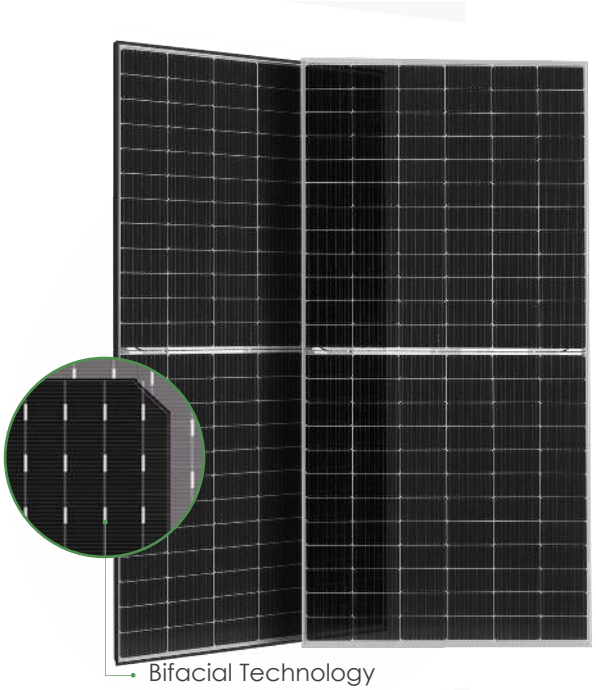
P-Type

IEC61215(2021), IEC61730(2023)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018
Occupational health and safety management systems
(Made in China)



Bifacial Technology

Key Features

Longer Life-time Power Yield

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

Enhanced Mechanical Load

2400 Pa
5400 Pa

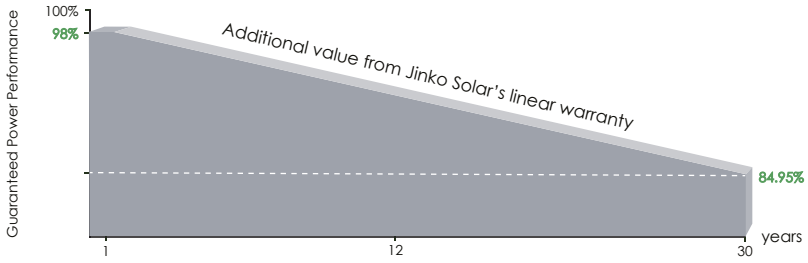
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

Higher Power Output

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

TÜV SÜD · CE · PV CYCLE · CLEAN ENERGY COUNCIL MEMBER · POSITIVE QUALITY™ Continuous Quality Assurance

LINEAR PERFORMANCE WARRANTY

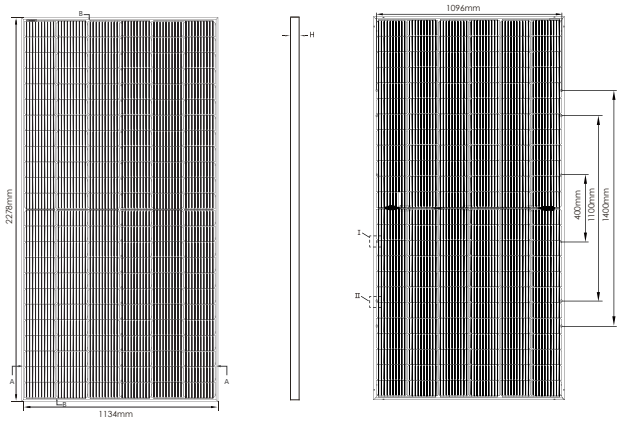


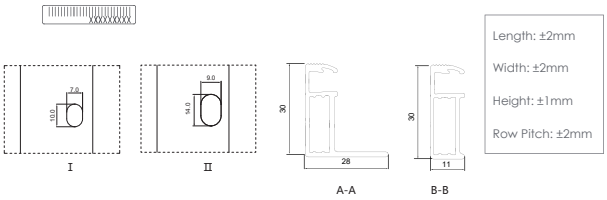
12 Year Product Warranty

30 Year Linear Power Warranty

0.45% Annual Degradation Over 30 years

Engineering Drawings





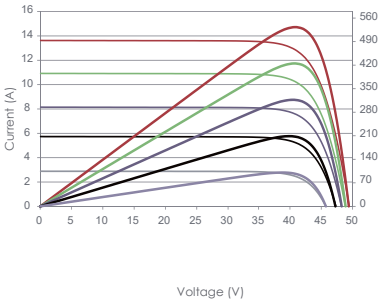
Packaging Configuration

(Two pallets = One stack)

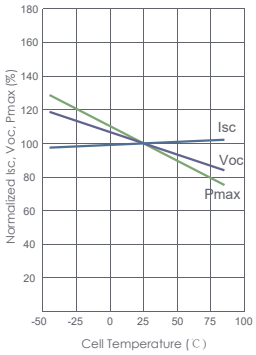
36pcs/pallets, 72pcs/stack, 720pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (540W)



Temperature Dependence of Isc, Voc, Pmax



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 1×4.0mm² (+): 400mm , (-): 200mm or Customized Length
Connector Type	1500V:Staubli MC4-EVO2;JK03M/2B, JK03M2/2B, Jinko PV material
Fire Class	Class C

SPECIFICATIONS

Module Type	JKM540M-72HL4-BDVP		JKM545M-72HL4-BDVP		JKM550M-72HL4-BDVP		JKM555M-72HL4-BDVP	
	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Maximum Power (Pmax)	540Wp	589Wp	545Wp	594Wp	550Wp	600Wp	555Wp	605Wp
Maximum Power Voltage (Vmp)	41.13V	41.16V	41.32V	41.34V	41.51V	41.53V	41.70V	41.70V
Maximum Power Current (Imp)	13.13A	14.31V	13.19A	14.37V	13.25A	14.45V	13.31A	14.51V
Open-circuit Voltage (Voc)	49.73V	49.76V	49.92V	49.95V	50.11V	50.14V	50.30V	50.33V
Short-circuit Current (Isc)	13.89A	15.11A	13.95A	15.17A	14.01A	15.23A	14.07A	15.29A
Module Efficiency STC (%)	20.90%		21.10%		21.29%		21.48%	
Operating Temperature(℃)	-40℃~+70℃							
Maximum system voltage	1500VDC (IEC)							
Maximum series fuse rating	30A							
Power measurement tolerance	± 3%							
Power sorting 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%							
Short-circuit current bifaciality coefficient	φIsc (70±5)%							
Open-circuit voltage bifaciality coefficient	φVoc(98±5)%							
Maximum Power bifaciality coefficient	φPmax(70±5)%							

BNPI: Irradiance 1000, φ*135W/M2, Cell Temperature 25℃, AM=1.5

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

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

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Specifications included in this datasheet are subject to change without notice.