

Tiger Pro 54HC

405-425 Watt

MONO-FACIAL MODULE

P-Type

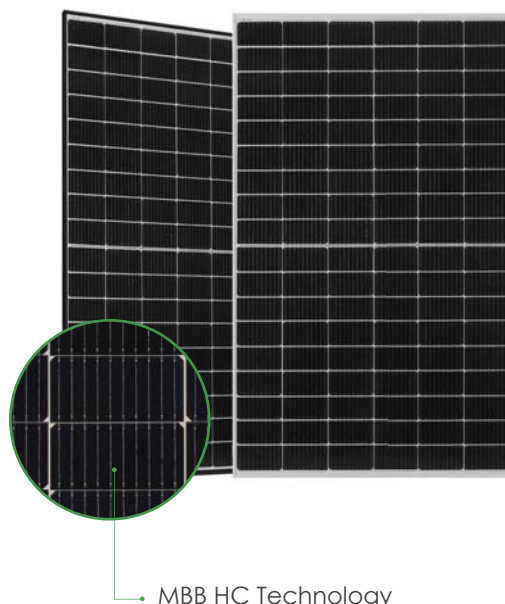
IEC61215(2021), IEC61730(2023)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems
(Made in China)

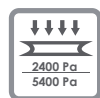


Key Features



Reduced Hot Spot Loss

Optimized electrical design and lower operating current for reduced hot spot loss and better temperature coefficient.



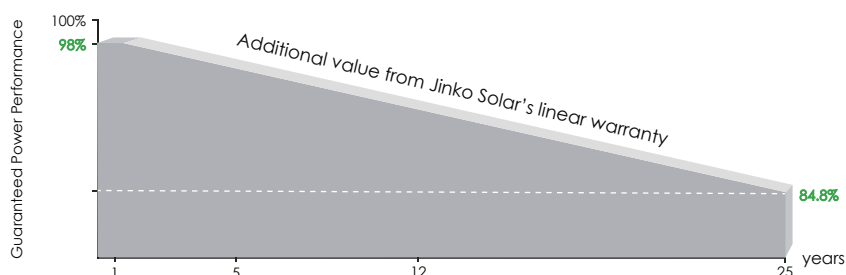
Enhanced Mechanical Load

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



POSITIVE QUALITY™
Continuous Quality Assurance

LINEAR PERFORMANCE WARRANTY

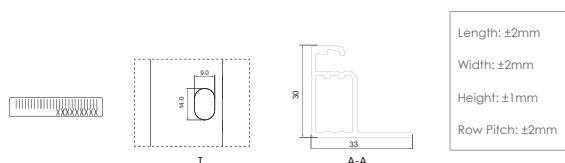
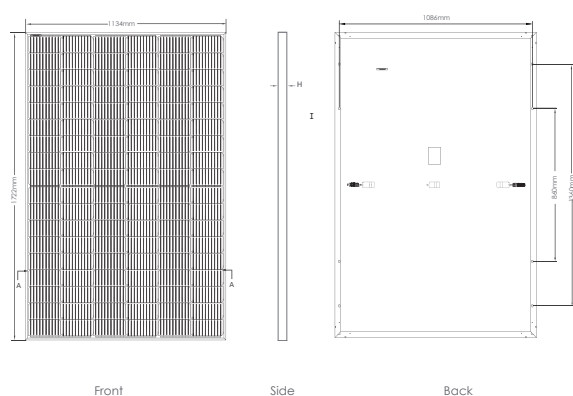


15 Year Product Warranty

25 Year Linear Power Warranty

0.55% Annual Degradation Over 25 years

Engineering Drawings

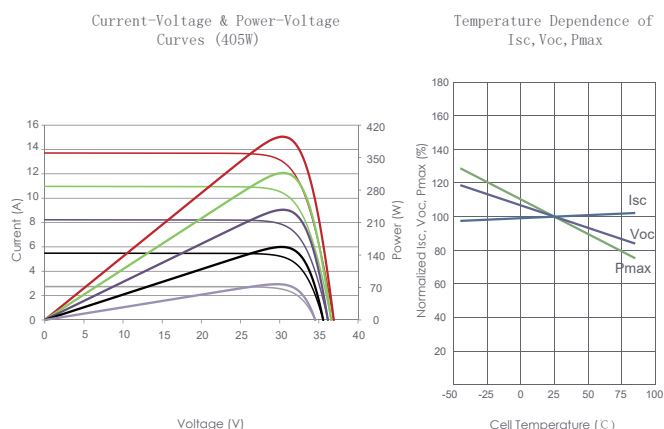


Packaging Configuration

(Two pallets = One stack)

36pcs/pallets, 72pcs/stack, 936pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	108 (2x54)
Dimensions	1722×1134×30mm (67.80×44.65×1.18 inch)
Weight	22.0 kg (48.50 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 1×4.0mm 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	JKM405M-54HL4 JKM405M-54HL4-V	JKM410M-54HL4 JKM410M-54HL4-V	JKM415M-54HL4 JKM415M-54HL4-V	JKM420M-54HL4 JKM420M-54HL4-V	JKM425M-54HL4 JKM425M-54HL4-V
	STC	STC	STC	STC	STC
Maximum Power (P _{max})	405Wp	410Wp	415Wp	420Wp	425Wp
Maximum Power Voltage (V _{mp})	30.52V	30.62V	30.79V	30.91V	31.07V
Maximum Power Current (I _{mp})	13.27A	13.39A	13.48A	13.59A	13.68A
Open-circuit Voltage (V _{oc})	37.06V	37.14V	37.31V	37.43V	37.59V
Short-circuit Current (I _{sc})	13.85A	13.92A	14.01A	14.12A	14.22A
Module Efficiency STC (%)	20.74%	21.00%	21.25%	21.51%	21.76%
Operating Temperature (°C)	-40°C ~ +85°C				
Maximum system voltage	1000/1500VDC (IEC) with -V=1500V, without -V=1000V				
Maximum series fuse rating	25A				
Power measurement tolerance	-3~+3%				
Power sorting tolerance	-5W~+15W				
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				

*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