

Tiger Pro 54HC

395-415 Watt

MONO-FACIAL MODULE

P-Type

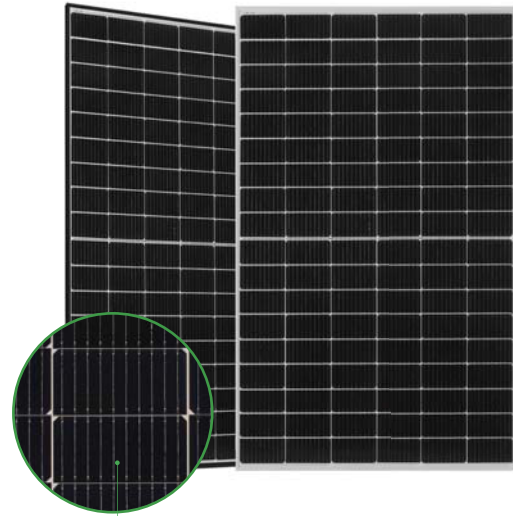
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems



MBB HC Technology

Key Features



Multi Busbar Technology

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



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



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).



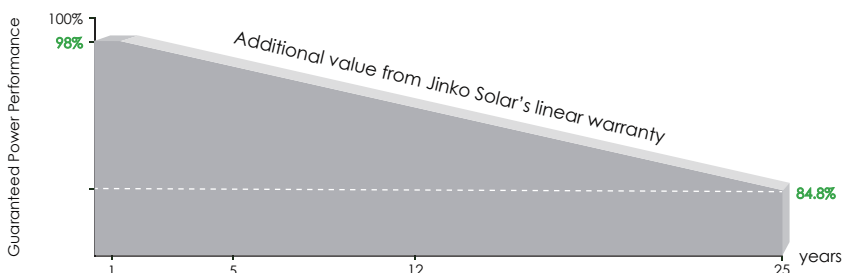
PID Resistance

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



POSITIVE QUALITY™
Continuous Quality Assurance

LINEAR PERFORMANCE WARRANTY

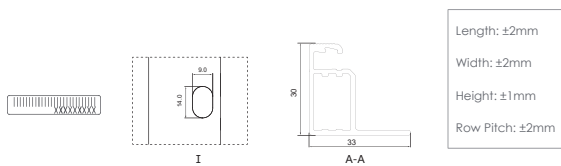
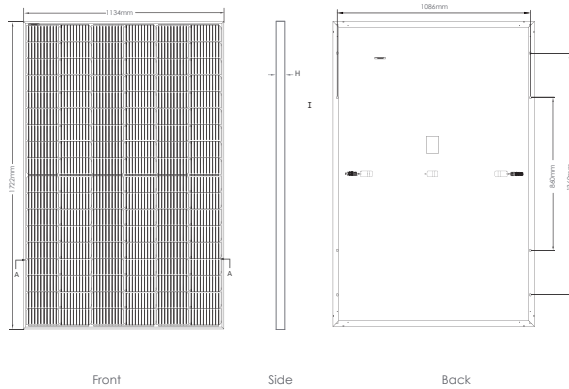


15 Year Product Warranty

25 Year Linear Power Warranty

0.55% Annual Degradation Over 25 years

Engineering Drawings

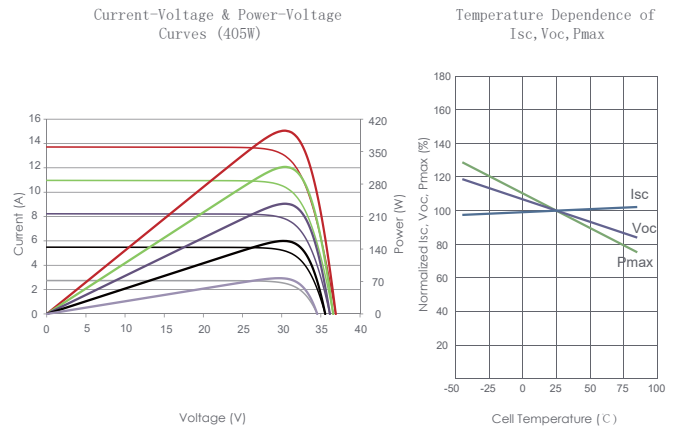


Packaging Configuration

(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

SPECIFICATIONS

Module Type	JKM410M-54HL4-V		JKM415M-54HL4-V	
	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	410Wp	305Wp	415Wp	309Wp
Maximum Power Voltage (Vmp)	30.62V	28.72V	30.79V	28.88V
Maximum Power Current (Imp)	13.39A	10.62A	13.48A	10.69A
Open-circuit Voltage (Voc)	37.14V	35.05V	37.31V	35.21V
Short-circuit Current (Isc)	13.92A	11.24A	14.01A	11.32A
Module Efficiency STC (%)	21.00%		21.25%	
Operating Temperature(°C)	-40°C~+85°C			
Maximum system voltage	1500 (IEC)			
Maximum series fuse rating	25A			
Power Measurement tolerance	-3~+3%			
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			

*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