

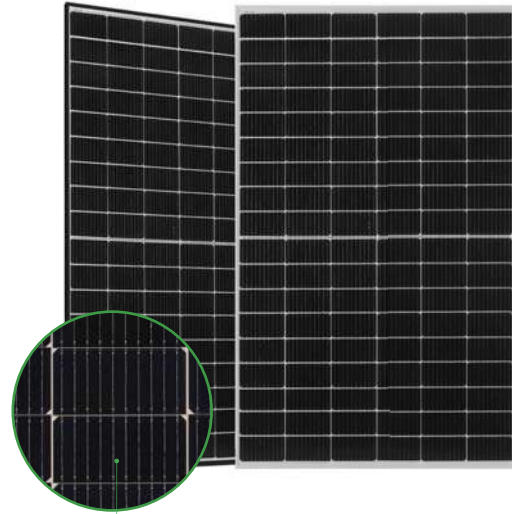
# Tiger Pro 54HC

## 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).

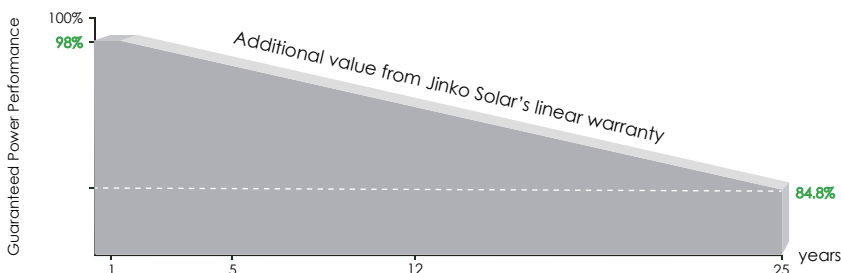


#### PID Resistance

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



## LINEAR PERFORMANCE WARRANTY

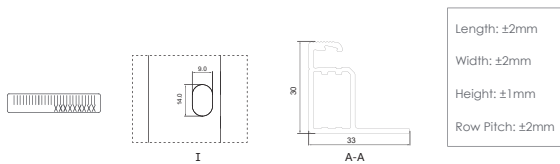
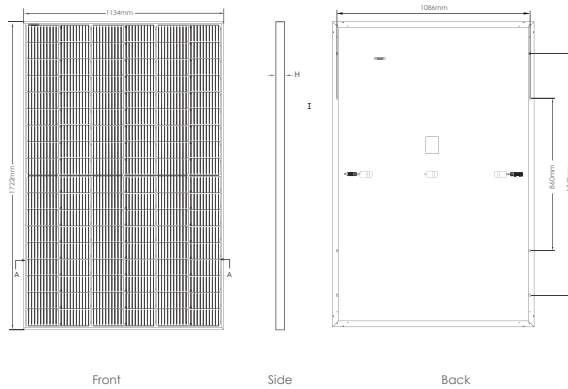


**15** Year Product Warranty

**25** Year Linear Power Warranty

**0.55%** Annual Degradation Over 25 years

## Engineering Drawings



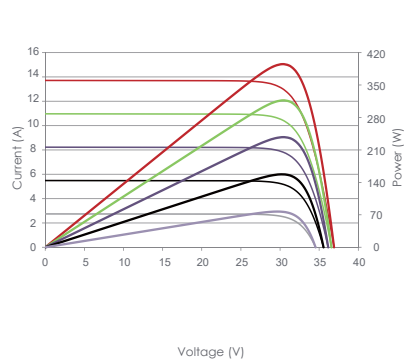
## Packaging Configuration

( Two pallets = One stack )

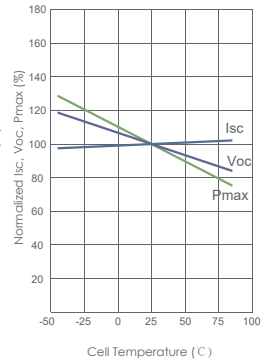
35pcs/pallets, 70pcs/stack, 910pcs/ 40'HQ Container

## Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (405W)



Temperature Dependence of Isc, Voc, Pmax



## 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 <sup>2</sup> (+): 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/m<sup>2</sup>

Cell Temperature 25°C

AM=1.5

NOCT: Irradiance 800W/m<sup>2</sup>

Ambient Temperature 20°C

AM=1.5

Wind Speed 1m/s