

# Tiger Pro 72HC

## 535-555 Watt

### MONO-FACIAL MODULE

#### P-Type

Positive power tolerance of 0~+3%

IEC61215(2005), IEC61730(2004)

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).

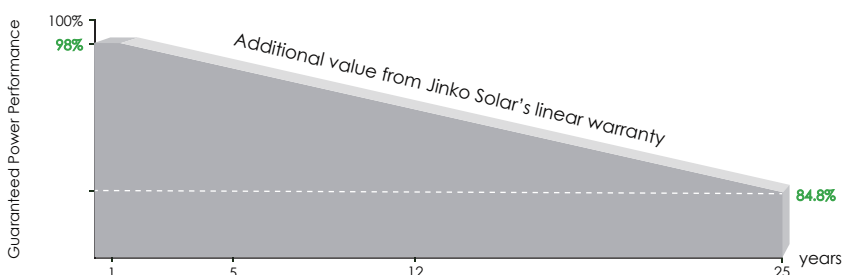


#### Longer Life-time Power Yield

0.55% annual power degradation and 25 year linear power warranty.



## LINEAR PERFORMANCE WARRANTY

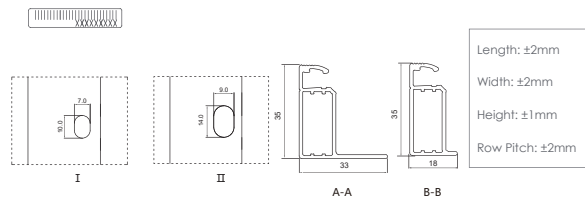
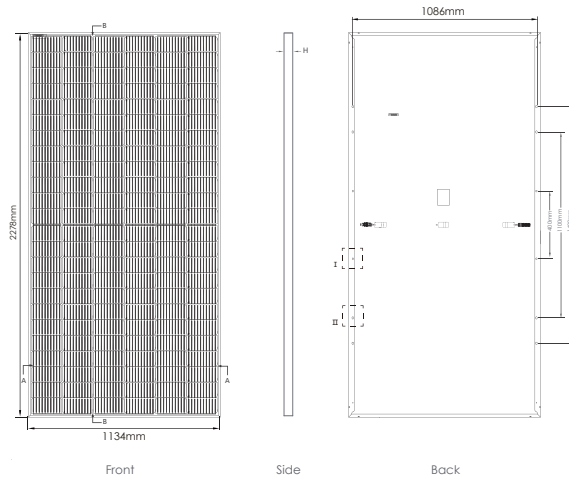


**12 Year Product Warranty**

**25 Year Linear Power Warranty**

**0.55% Annual Degradation Over 25 years**

## Engineering Drawings

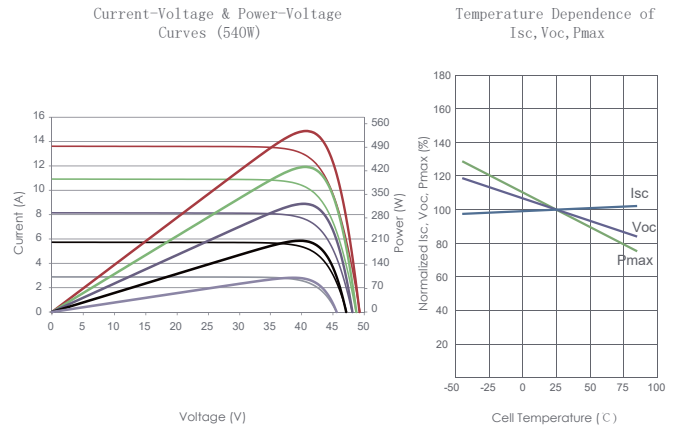


## Packaging Configuration

( Two pallets = One stack )

31 pcs/pallets, 62 pcs/stack, 620 pcs/ 40'HQ Container

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	144 (6×24)
Dimensions	2278×1134×35mm (89.69×44.65×1.38 inch)
Weight	28 kg (61.73 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	JKM535M-72HL4		JKM540M-72HL4		JKM545M-72HL4		JKM550M-72HL4		JKM555M-72HL4	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	535Wp	398Wp	540Wp	402Wp	545Wp	405Wp	550Wp	413Wp	555Wp	413Wp
Maximum Power Voltage (Vmp)	40.88V	38.05V	41.01V	38.19V	41.14V	38.33V	41.27V	38.63V	41.39V	38.63V
Maximum Power Current (Imp)	13.09A	10.46A	13.17A	10.52A	13.25A	10.58A	13.33A	10.69A	13.41A	10.69A
Open-circuit Voltage (Voc)	49.40V	46.53V	49.53V	46.65V	49.66V	46.77V	49.79V	47.02V	49.92V	47.02V
Short-circuit Current (Isc)	13.77A	11.12A	13.85A	11.19A	13.93A	11.25A	14.01A	11.38A	14.09A	11.38A
Module Efficiency STC (%)	20.71%		20.90%		21.10%		21.29%		21.48%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1000/1500VDC (IEC)									
Maximum series fuse rating	25A									
Power tolerance	0~+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