

# Tiger Pro 72HC

## 520-540 Watt

### MONO-FACIAL MODULE

#### P-Type

Positive power tolerance of 0~+3%

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems



## 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).

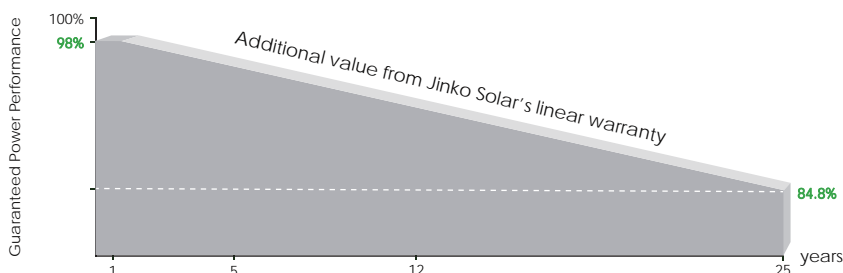


#### Longer Life-time Power Yield

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



## LINEAR PERFORMANCE WARRANTY

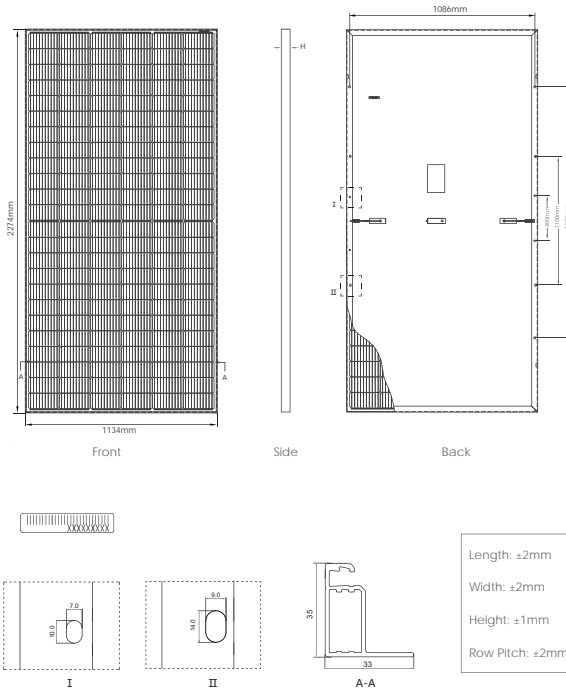


12 Year Product Warranty

25 Year Linear Power Warranty

0.55% Annual Degradation Over 25 years

## Engineering Drawings

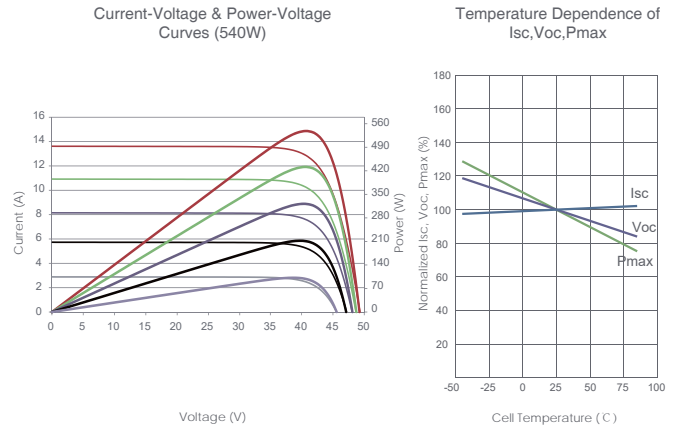


## Packaging Configuration

(Two pallets = One stack)

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

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	144 (6×24)
Dimensions	2274×1134×35mm (89.53×44.65×1.38 inch)
Weight	28.9 kg (63.7 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	MM520-72HLD-MB		MM525-72HLD-MB		MM530-72HLD-MB		MM535-72HLD-MB		MM540-72HLD-MB	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	520Wp	387Wp	525Wp	391Wp	530Wp	394Wp	535Wp	398Wp	540Wp	402Wp
Maximum Power Voltage (Vmp)	40.41V	37.52V	40.48V	37.67V	40.56V	37.84V	40.63V	37.91V	40.70V	38.08V
Maximum Power Current (Imp)	12.87A	10.31A	12.97A	10.37A	13.07A	10.42A	13.17A	10.50A	13.27A	10.55A
Open-circuit Voltage (Voc)	49.10V	46.34V	49.18V	46.42V	49.26V	46.50V	49.34V	46.57V	49.42V	46.65V
Short-circuit Current (Isc)	13.57A	10.96A	13.64A	11.02A	13.71A	11.07A	13.79A	11.14A	13.85A	11.19A
Module Efficiency STC (%)	20.17%		20.36%		20.55%		20.75%		20.94%	
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