

# Tiger Pro 72HC

## 550-570 Watt

### MONO-FACIAL MODULE

#### P-Type

Positive power tolerance of 0~+3%

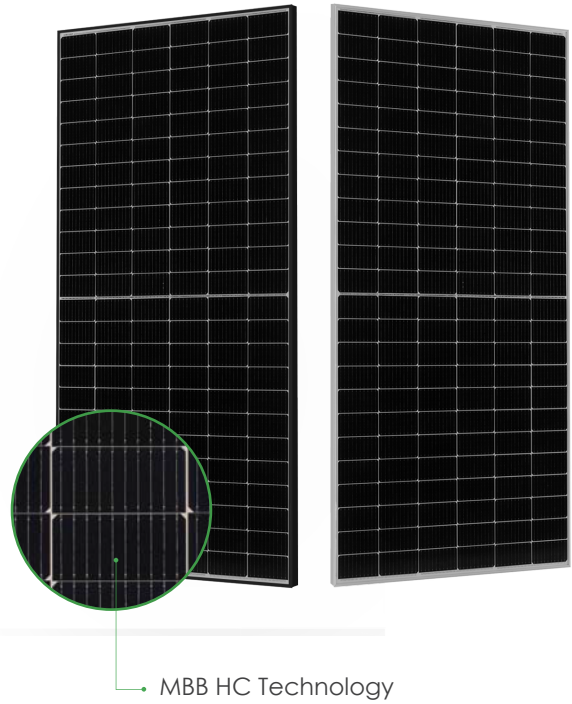
IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018

Occupational health and safety management systems



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).

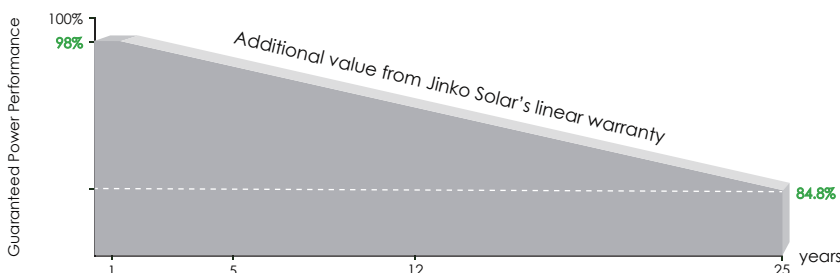


#### Longer Life-time Power Yield

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



## LINEAR PERFORMANCE WARRANTY

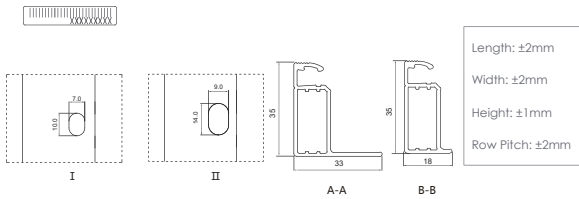
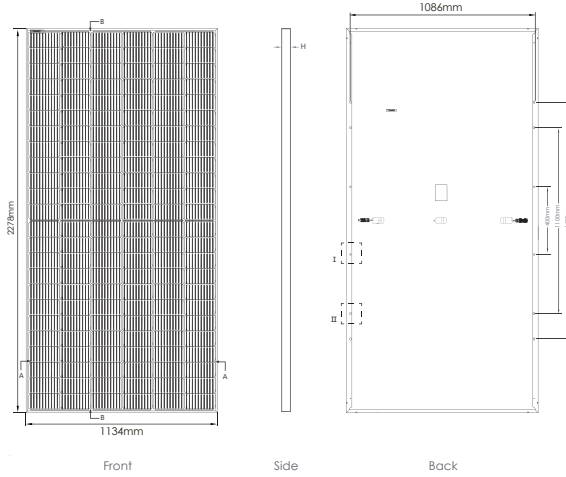


**12 Year Product Warranty**

**25 Year Linear Power Warranty**

**0.55% Annual Degradation Over 25 years**

## Engineering Drawings

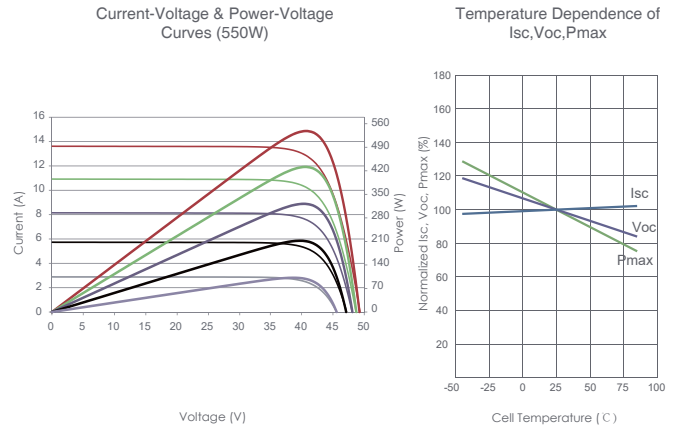


## Packaging Configuration

( 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 (89.53×44.65×1.38 inch)                                      |
| Weight        | 27 kg (59.52 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><br>(+): 400mm, (-): 200mm or Customized Length     |

## SPECIFICATIONS

| Module Type                               | JKM550M-72HL4      |        | JKM555M-72HL4 |        | JKM560M-72HL4 |        | JKM565M-72HL4 |        | JKM570M-72HL4 |        |
|---|--------------------|--------|---------------|--------|---------------|--------|---------------|--------|---------------|--------|
|   | STC                | NOCT   | STC           | NOCT   | STC           | NOCT   | STC           | NOCT   | STC           | NOCT   |
| Maximum Power (Pmax)                      | 550Wp              | 409Wp  | 555Wp         | 413Wp  | 560Wp         | 417Wp  | 565Wp         | 420Wp  | 570Wp         | 424Wp  |
| Maximum Power Voltage (Vmp)               | 40.90V             | 38.42V | 40.99V        | 38.59V | 41.09V        | 38.69V | 41.21V        | 38.74V | 41.34V        | 38.84V |
| Maximum Power Current (Imp)               | 13.45A             | 10.65A | 13.54A        | 10.70A | 13.63A        | 10.77A | 13.71A        | 10.85A | 13.79A        | 10.92A |
| Open-circuit Voltage (Voc)                | 49.62V             | 46.84V | 49.72V        | 46.93V | 49.82V        | 47.02V | 49.93V        | 47.13V | 50.04V        | 47.23V |
| Short-circuit Current (Isc)               | 14.03A             | 11.33A | 14.12A        | 11.40A | 14.21A        | 11.48A | 14.30A        | 11.55A | 14.39A        | 11.62A |
| Module Efficiency STC (%)                 | 21.29%             |        | 21.48%        |        | 21.68%        |        | 21.91%        |        | 22.07%        |        |
| 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