

# Tiger Pro 72HC

## 550-570 Watt

### MONO-FACIAL MODULE

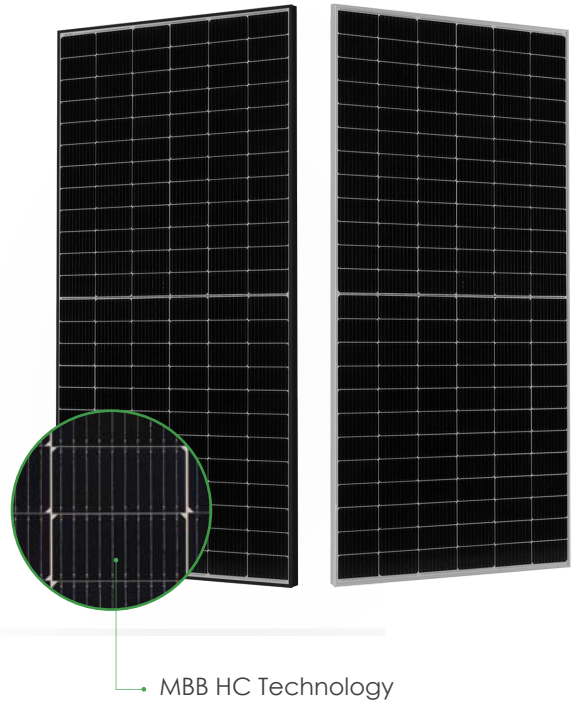
#### P-Type

IEC61215(2021), IEC61730(2023)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018  
Occupational health and safety management systems  
(Made in China)



MBB HC Technology

## Key Features



#### 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:  
5400 Pa front side max static test load  
2400 Pa rear side max static test load



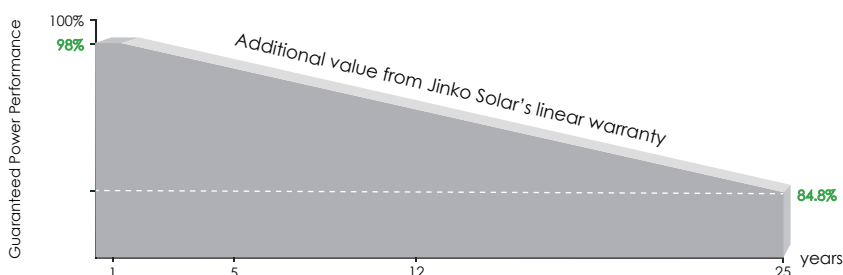
#### Longer Life-time Power Yield

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



POSITIVE QUALITY™  
Continuous Quality Assurance

## LINEAR PERFORMANCE WARRANTY

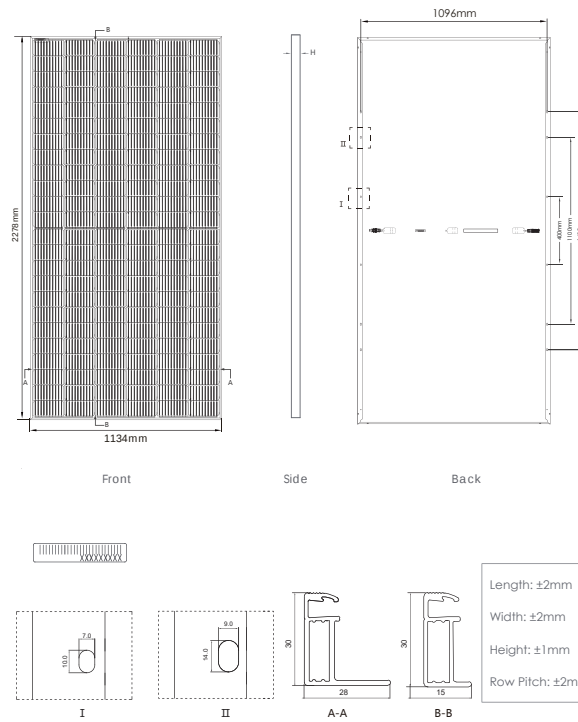


**12 Year Product Warranty**

**25 Year Linear Power Warranty**

**0.55% Annual Degradation Over 25 years**

## Engineering Drawings

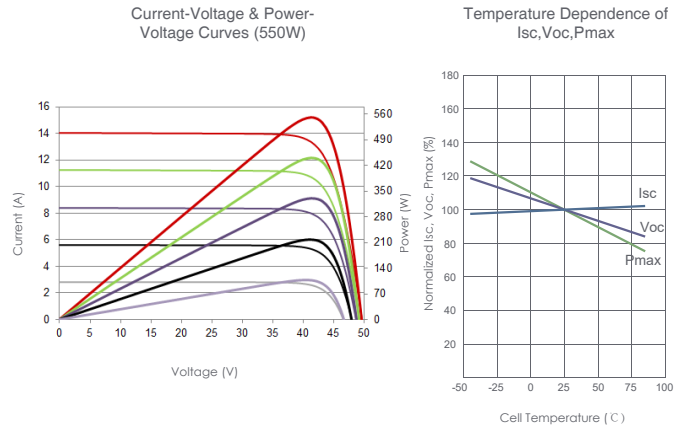


## Packaging Configuration

( Two pallets = One stack )

36pcs/pallets, 72pcs/stack, 720pcs/ 40'HQ Container

## Electrical Performance & Temperature Dependence



## Mechanical Characteristics

|                |                                                                                                                             |
|----------------|-----------------------------------------------------------------------------------------------------------------------------|
| Cell Type      | P type Mono-crystalline                                                                                                     |
| No. of cells   | 144 (6×24)                                                                                                                  |
| Dimensions     | 2278×1134×30mm (89.69×44.65×1.18 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                                                     |
| Connector Type | 1000V: Staubli MC4-JK03M/2B, JK03M2/2B, Jinko PV material<br>1500V: Staubli MC4-EVO2-JK03M/2B, JK03M2/2B, Jinko PV material |
| Fire Class     | Class C                                                                                                                     |

## SPECIFICATIONS

| Module Type                               | JKM550M-72HL4<br>JKM550M-72HL4-V                   | JKM555M-72HL4<br>JKM555M-72HL4-V | JKM560M-72HL4<br>JKM560M-72HL4-V | JKM565M-72HL4<br>JKM565M-72HL4-V | JKM570M-72HL4<br>JKM570M-72HL4-V |
|-------------------------------------------|----------------------------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
|                                           | STC                                                | STC                              | STC                              | STC                              | STC                              |
| Maximum Power (Pmax)                      | 550Wp                                              | 555Wp                            | 560Wp                            | 565Wp                            | 570Wp                            |
| Maximum Power Voltage (Vmp)               | 40.90V                                             | 40.99V                           | 41.09V                           | 41.21V                           | 41.34V                           |
| Maximum Power Current (Imp)               | 13.45A                                             | 13.54A                           | 13.63A                           | 13.71A                           | 13.79A                           |
| Open-circuit Voltage (Voc)                | 49.62V                                             | 49.72V                           | 49.82V                           | 49.93V                           | 50.04V                           |
| Short-circuit Current (Isc)               | 14.03A                                             | 14.12A                           | 14.21A                           | 14.30A                           | 14.39A                           |
| Module Efficiency STC (%)                 | 21.29%                                             | 21.48%                           | 21.68%                           | 21.87%                           | 22.07%                           |
| Operating Temperature(°C)                 | -40°C~+70°C                                        |                                  |                                  |                                  |                                  |
| Maximum system voltage                    | 1000/1500VDC (IEC) with -V=1500V, without -V=1000V |                                  |                                  |                                  |                                  |
| Maximum series fuse rating                | 25A                                                |                                  |                                  |                                  |                                  |
| Power measurement tolerance               | ± 3%                                               |                                  |                                  |                                  |                                  |
| Power sorting 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