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Building Your Trust in Solar

# Tiger Pro 72HC
## *540-560 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)



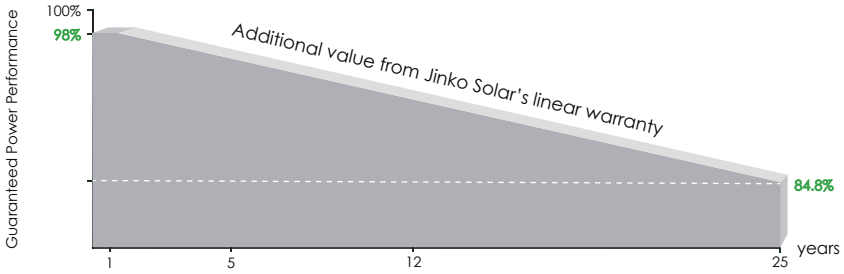

## Key Features

**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.

## LINEAR PERFORMANCE WARRANTY

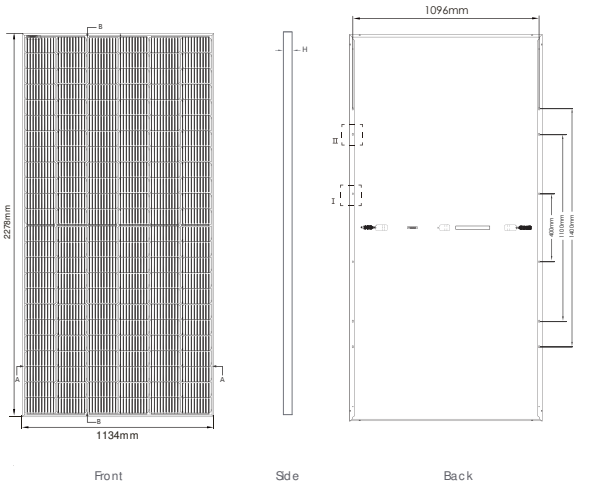


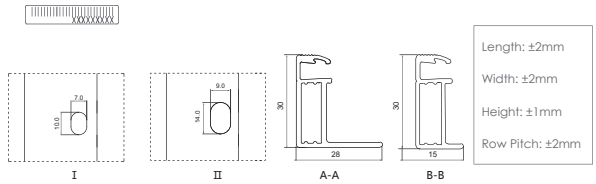

**12** Year Product Warranty

**25** Year Linear Power Warranty

**0.55%** Annual Degradation Over 25 years

## Engineering Drawings



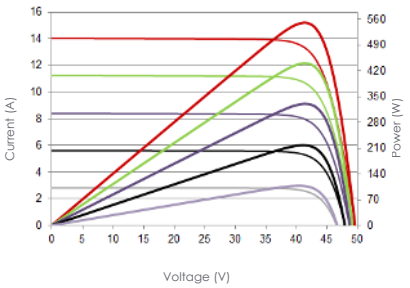

## Packaging Configuration

( Two pallets = One stack )

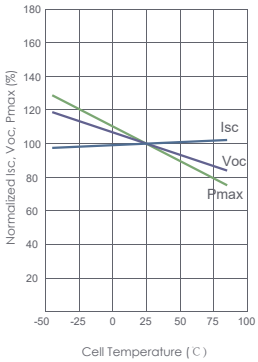
36pcs/pallets, 72pcs/stack, 720pcs/ 40'HQ Container

## Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (550W)




Temperature Dependence of Isc,Voc,Pmax




## 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 1×4.0mm² (+): 400mm , (-): 200mm or Customized Length |
| Connector Type | 1000V:Staubli MC4,JK03M/2B, JK03M2/2B, Jinko PV material 1500V:Staubli MC4-EVO2:JK03M/2B, JK03M2/2B, Jinko PV material |
| Fire Class | Class C |

## SPECIFICATIONS

| Module Type | JKM540M-72HL4 JKM540M-72HL4-V | JKM545M-72HL4 JKM545M-72HL4-V | JKM550M-72HL4 JKM550M-72HL4-V | JKM555M-72HL4 JKM555M-72HL4-V | JKM560M-72HL4 JKM560M-72HL4-V |
|---|---|---|---|---|---|
| | STC | STC | STC | STC | STC |
| Maximum Power (Pmax) | 540Wp | 545Wp | 550Wp | 555Wp | 560Wp |
| Maximum Power Voltage (Vmp) | 40.70V | 40.80V | 40.90V | 40.99V | 41.09V |
| Maximum Power Current (Imp) | 13.27A | 13.36A | 13.45A | 13.54A | 13.63A |
| Open-circuit Voltage (Voc) | 49.42V | 49.52V | 49.62V | 49.72V | 49.82V |
| Short-circuit Current (Isc) | 13.85A | 13.94A | 14.03A | 14.12A | 14.21A |
| Module Efficiency STC (%) | 20.90% | 21.10% | 21.29% | 21.48% | 21.68% |
| Operating Temperature(℃) | -40℃~+70℃ | | | | |
| 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%/℃ | | | | |
| Temperature coefficients of Voc | -0.28%/℃ | | | | |
| Temperature coefficients of Isc | 0.048%/℃ | | | | |
| Nominal operating cell temperature (NOCT) | 45±2℃ | | | | |

*STC: Irradiance 1000W/m² Cell Temperature 25°C AM=1.5

NOCT: Irradiance 800W/m² Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s

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Specifications included in this datasheet are subject to change without notice.