

Tiger Pro 54HC

395-415 Watt

MONO-FACIAL MODULE

P-Type

IEC 61215(2016), IEC 61730(2016)

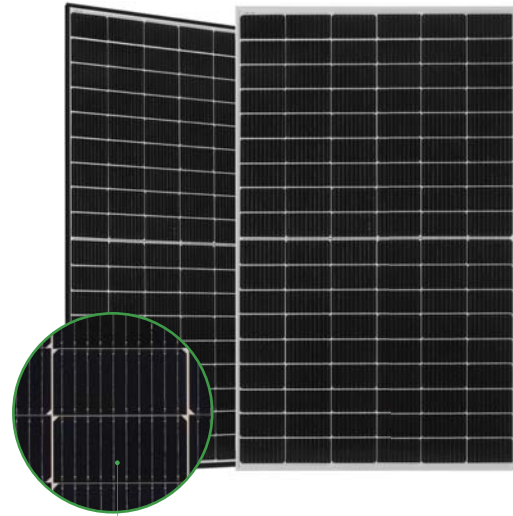
ISO 9001:2015: Quality Management System

ISO 14001:2015: Environment Management System

ISO 45001:2018

Occupational health and safety management systems

(Made in China/Malaysia/Vietnam/U.S)



MBB HC Technology

Key Features



Multi Busbar Technology

Better light trapping and current collection to improve module power output and reliability.



Reduced Hot Spot Loss

Optimized electrical design and lower operating current for reduced hot spot loss and better temperature coefficient.



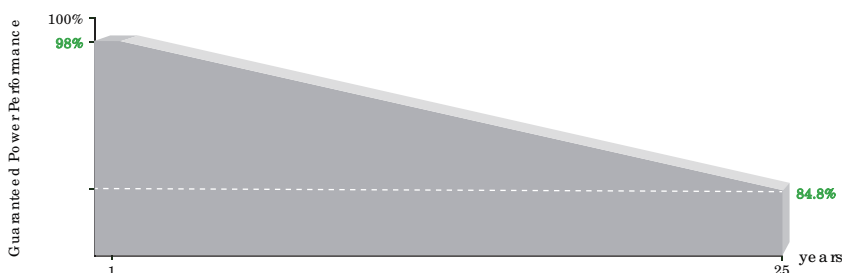
Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



POSITIVE QUALITY™
Continuous Quality Assurance

LINEAR PERFORMANCE WARRANTY

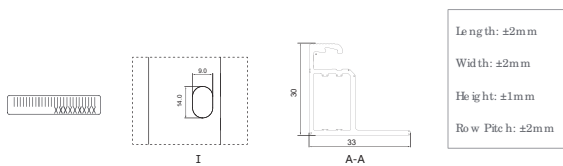
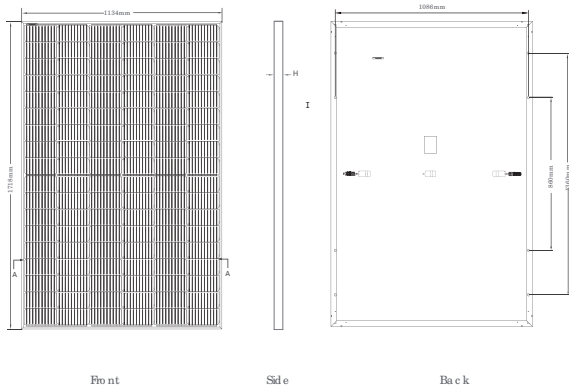


15 Year Product Warranty

25 Year Linear Power Warranty

0.55% Annual Degradation Over 25 years

Engineering Drawings



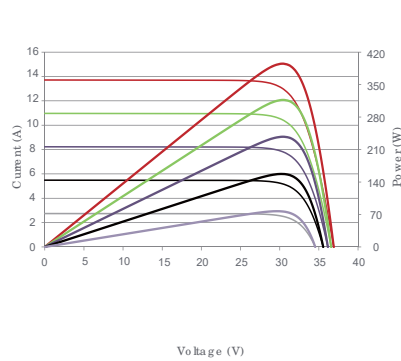
Packaging Configuration

(Two pallets = One stack)

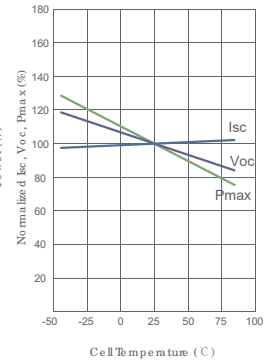
35pcs/pallets, 70pcs/stack, 910pcs/40'HQ Container

Electric Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (405W)



Temperature Dependence of Isc, Voc, Pmax



Mechanical Characteristics

| | |
|---------------|---|
| Cell Type | P type Mono-crystalline |
| No. of cells | 108 (2x54) |
| Dimensions | 1718x1134x30mm (67.64x44.65x1.18 inch) |
| Weight | 22.0 kg (48.50 lbs) |
| Front Glass | 3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass |
| Frame | Anodized Aluminum Alloy |
| Junction Box | IP68 Rated |
| Output Cables | TUV 1x4.0mm ² (+): 400mm, (-): 200mm or Customized Length |
| Connector | Staubli MC4, MC4-EVO2 / JK03M, JK03M2, Jinko PV material |
| Fire Rating | Class C |

SPECIFICATIONS

| Module Type | JKM395M-54HL4-V | | JKM400M-54HL4-V | | JKM405M-54HL4-V | | JKM410M-54HL4-V | | JKM415M-54HL4-V | |
|---|-----------------|--------|-----------------|--------|-----------------|--------|-----------------|--------|-----------------|--------|
| | SIC | NOCT | SIC | NOCT | SIC | NOCT | SIC | NOCT | SIC | NOCT |
| Maximum Power (Pmax) | 395Wp | 294Wp | 400Wp | 298Wp | 405Wp | 301Wp | 410Wp | 305Wp | 415Wp | 309Wp |
| Maximum Power Voltage (Vmp) | 30.32V | 28.26V | 30.42V | 28.42V | 30.52V | 28.56V | 30.62V | 28.72V | 30.79V | 28.88V |
| Maximum Power Current (Imp) | 13.03A | 10.40A | 13.15A | 10.47A | 13.27A | 10.55A | 13.39A | 10.62A | 13.48A | 10.69A |
| Open-circuit Voltage (Voc) | 36.90V | 34.83V | 36.98V | 34.90V | 37.06V | 34.98V | 37.14V | 35.05V | 37.31V | 35.21V |
| Short-circuit Current (Isc) | 13.71A | 11.07A | 13.78A | 11.13A | 13.85A | 11.19A | 13.92A | 11.24A | 14.01A | 11.32A |
| Module Efficiency SIC (%) | 20.28% | | 20.53% | | 20.79% | | 21.04% | | 21.30% | |
| Operating Temperature (°C) | -40°C~+85°C | | | | | | | | | |
| Maximum system voltage | 1500VDC (IEC) | | | | | | | | | |
| Maximum series fuse rating | 25A | | | | | | | | | |
| Power tolerance | -3%~+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 | | | | | | | | | |

*SIC: 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