

# Tiger Pro 54HC

## 395-415 Watt

### MONO-FACIAL MODULE

#### P-Type

Positive power tolerance of 0~+3%

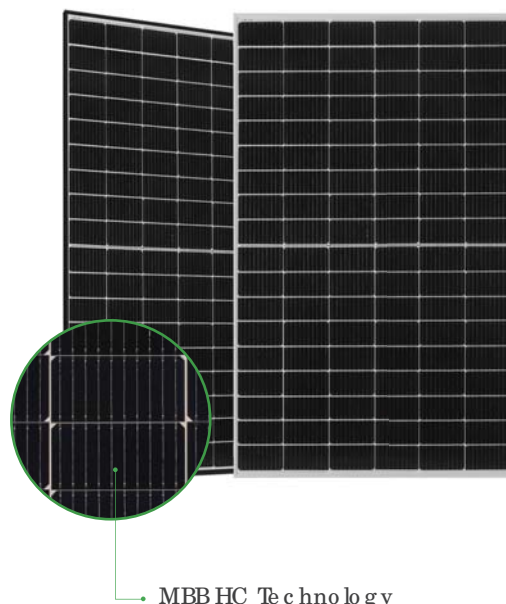
IEC 61215(2016), IEC 61730(2016)

ISO 9001:2015: Quality Management System

ISO 14001:2015: Environment Management System

ISO 45001:2018

Occupational health and safety management systems



## 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).



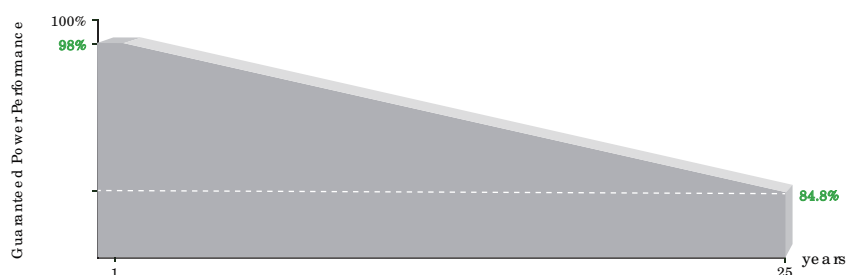
#### PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



Continuous Quality Assurance

## LINEAR PERFORMANCE WARRANTY

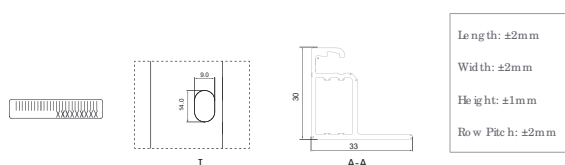
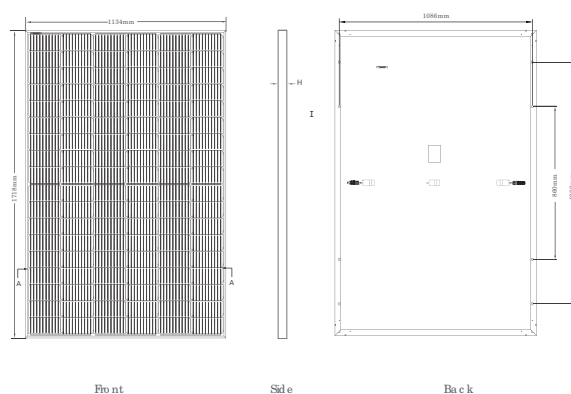


**15** Year Product Warranty

**25** Year Linear Power Warranty

**0.55%** Annual Degradation Over 25 years

## Engineering Drawings

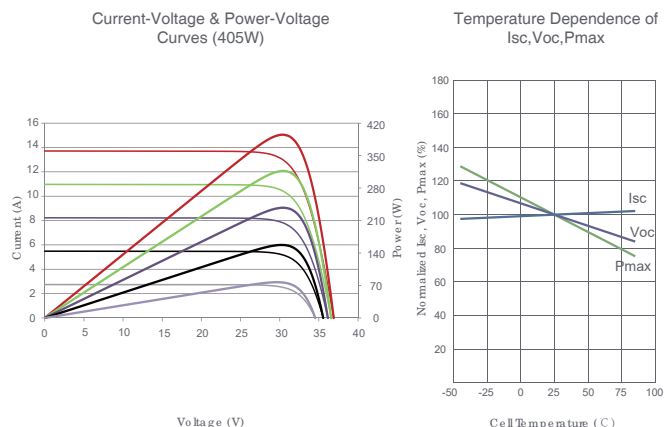


## Packaging Configuration

(Two pallets = One stack)

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

## Electrical Performance & Temperature Dependence



## 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 Aluminium Alloy                                                    |
| Junction Box  | IP68 Rated                                                                  |
| Output Cables | TUV 1x4.0mm <sup>2</sup><br>(+): 400mm, (-): 200mm or Customized Length     |

## SPECIFICATIONS

| Module Type                               | JKM395M-54HL4       |        | JKM400M-54HL4   |        | JKM405M-54HL4   |        | JKM410M-54HL4   |        | JKM415M-54HL4   |        |
|-------------------------------------------|---------------------|--------|-----------------|--------|-----------------|--------|-----------------|--------|-----------------|--------|
|                                           | JKM395M-54HL4-V     |        | JKM400M-54HL4-V |        | JKM405M-54HL4-V |        | JKM410M-54HL4-V |        | JKM415M-54HL4-V |        |
|                                           | STC                 | NOCT   | STC             | NOCT   | STC             | NOCT   | STC             | NOCT   | STC             | 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 STC (%)                 | 20.28%              |        | 20.53%          |        | 20.79%          |        | 21.04%          |        | 21.30%          |        |
| 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