

# TIGER Neo

## 54HL4R

435-450 Watt

MONO-FACIAL MODULE

N-type



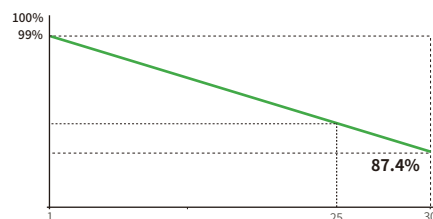
### HOT 2.0 Technology

N-type modules with JinkoSolar's HOT 2.0 technology offer better reliability and efficiency.



### Mechanical Load Enhanced

Certified to withstand:  
5400 Pa front side max static test load  
2400 Pa rear side max static test load



**25 Year**  
Product Warranty

**30 Year**  
Linear Power  
Warranty

**1%**  
First-year  
Degradation

**0.4%**  
Annual Degradation  
Over 30 Years

- IEC61215 (2021) / IEC61730 (2023)
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems



POSITIVE QUALITY™  
Continuous Quality Assurance

JKM435-450N-54HL4R-F5-EN AU CEC

# 54HL4R 435-450 Watt

## Mechanical Characteristics

|                  |                                                                              |
|------------------|------------------------------------------------------------------------------|
| Cell Type        | N -type Mono-crystalline                                                     |
| No. of cells     | 108 (54×2)                                                                   |
| Dimensions       | 1762×1134×30 mm                                                              |
| Weight           | 21.0 kg                                                                      |
| Front Glass      | 3.2 mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass |
| Frame            | Anodized Aluminium Alloy                                                     |
| Junction Box     | IP68 Rated                                                                   |
| Protection Class | Class II                                                                     |
| IEC Fire Type    | Class C                                                                      |
| Connector Type   | Jinko material:JK03M; JK03M2; Stäubli:MC4-EVO2;                              |
| Output Cables    | 4.0 mm <sup>2</sup><br>(+): 400 mm , (-): 200 mm or Customized Length        |

## Packaging Configuration

|                                               |                                                           |
|-----------------------------------------------|-----------------------------------------------------------|
| Pallet Dimensions                             | 1792×1140×1249 mm                                         |
| Packing detail<br>( Two pallets = One stack ) | 37 pcs/pallets, 74 pcs/stack,<br>962 pcs/ 40'HQ Container |

## Specifications (STC)

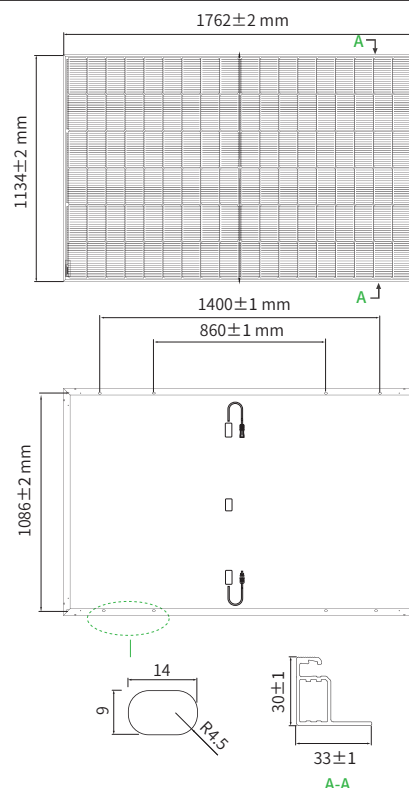
|                                              |            |       |       |       |
|----------------------------------------------|------------|-------|-------|-------|
| Maximum Power - P <sub>max</sub> [Wp]        | 435        | 440   | 445   | 450   |
| Maximum Power Voltage - V <sub>mp</sub> [V]  | 32.59      | 32.81 | 33.02 | 33.21 |
| Maximum Power Current - I <sub>mp</sub> [A]  | 13.35      | 13.41 | 13.48 | 13.55 |
| Open-circuit Voltage - V <sub>oc</sub> [V]   | 39.16      | 39.38 | 39.59 | 39.78 |
| Short-circuit Current - I <sub>sc</sub> [A]  | 13.80      | 13.86 | 13.93 | 14.00 |
| Module Efficiency STC [%]                    | 21.77      | 22.02 | 22.27 | 22.52 |
| Power Measurement Tolerance                  | ± 3%       |       |       |       |
| Power Sorting Tolerance                      | -5W~+15W   |       |       |       |
| Temperature Coefficients of P <sub>max</sub> | -0.29 %/°C |       |       |       |
| Temperature Coefficients of V <sub>oc</sub>  | -0.25 %/°C |       |       |       |
| Temperature Coefficients of I <sub>sc</sub>  | 0.045 %/°C |       |       |       |

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM=1.5

## Application Conditions

|                                           |                 |
|-------------------------------------------|-----------------|
| Operating Temperature                     | -40 °C ~ +85 °C |
| Maximum system voltage                    | 1000 VDC (IEC)  |
| Maximum series fuse rating                | 25 A            |
| Nominal operating cell temperature - NOCT | 45±2 °C         |

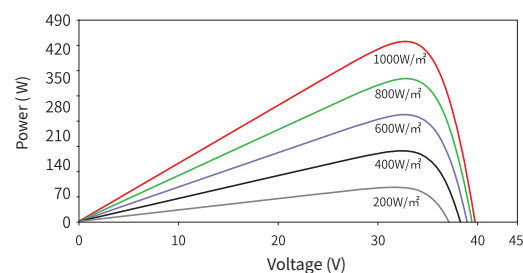
## Engineering Drawings



Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.

## Electrical Performance

### Power-Voltage Curves (54HL4R- 440W)



### Current-Voltage Curves (54HL4R- 440W)

