

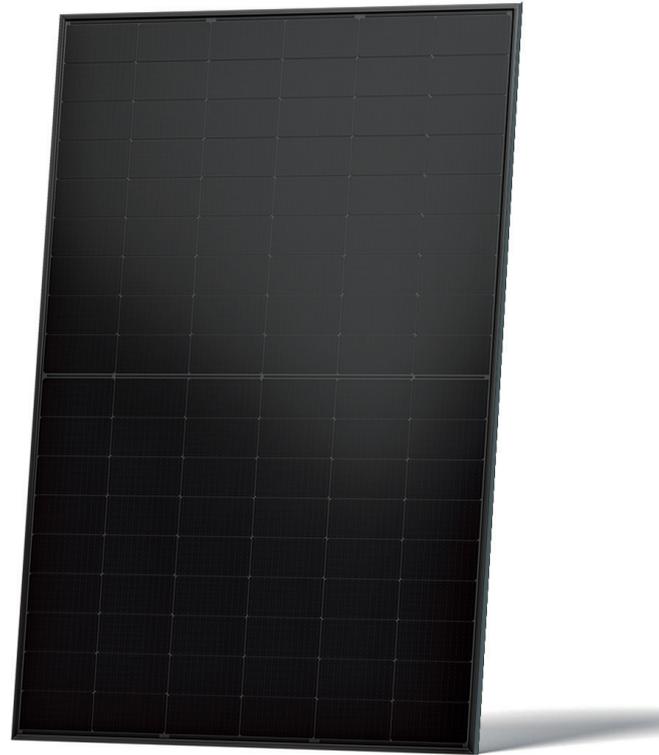
# TIGER Neo

## 54HL4R-(B)

425-445 Watt

MONO-FACIAL MODULE

N-type



### N-Type Technology

N-Type modules with Tunnel Oxide Passivating Contacts (TOPcon) technology offer lower LID/LETID degradation and better low light performance.



### HOT 2.0 Technology

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



### Durability Against Extreme Environment

High salt mist and ammonia resistance.



### Mechanical Load Enhanced

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



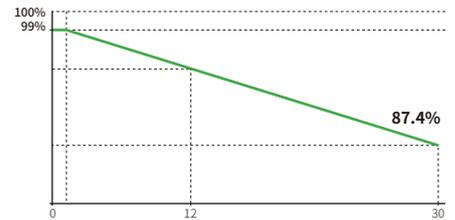
### SMBB Technology

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



### Anti-PID guarantee

Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control.



**25 Year** Product Warranty | **30 Year** Linear Power Warranty | **1%** First-year Degradation | **0.4%** Annual Degradation Over 30 Years

- IEC61215/IEC61730/IEC61701/IEC62716
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems



# 54HL4R-B 425-445 Watt

## Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	108 (54×2)
Dimensions	1762×1134×30mm
Weight	21.0 kg
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Protection Class	Class II
Fire Type	Class C
Output Cables	TUV 1×4.0mm <sup>2</sup> (+): 400mm, (-): 200mm or Customized Length

## Packaging Configuration

( Two pallets = One stack )	1792×1120×1249mm
Packing detail	36pcs/pallets, 72pcs/stack, 936pcs/ 40'HQ Container

## SPECIFICATIONS (STC)

Maximum Power (Pmax)	425	430	435	440	445
Maximum Power Voltage (Vmp)	32.37	32.58	32.78	32.99	33.19
Maximum Power Current (Imp)	13.13	13.20	13.27	13.34	13.41
Open-circuit Voltage (Voc)	38.95	39.16	39.36	39.57	39.77
Short-circuit Current (Isc)	13.58	13.65	13.72	13.80	13.87
Module Efficiency STC (%)	21.30	21.50	21.80	22.00	22.27
Power tolerance			0~+0.3%		
Temperature coefficients of Pmax			-0.29%/°C		
Temperature coefficients of Voc			-0.25%/°C		
Temperature coefficients of Isc			0.045%/°C		

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

## SPECIFICATIONS (NOCT)

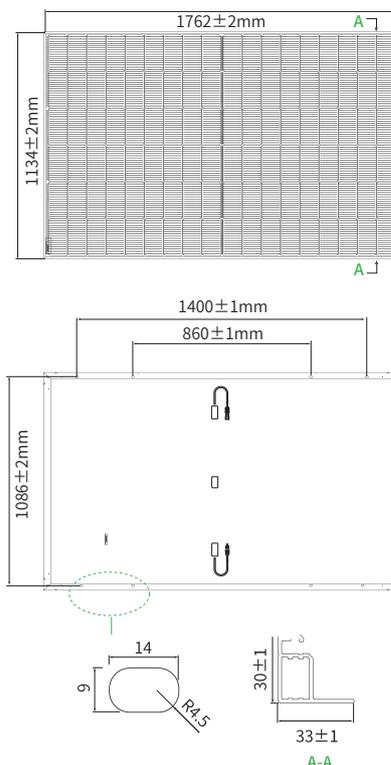
Maximum Power (Pmax)	320	323	327	331	335
Maximum Power Voltage (Vmp)	30.19	30.30	30.50	30.73	30.93
Maximum Power Current (Imp)	10.60	10.66	10.72	10.77	10.83
Open-circuit Voltage (Voc)	37.00	37.20	37.39	37.59	37.78
Short-circuit Current (Isc)	10.96	11.02	11.08	11.14	11.20

NOCT: Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s

## Application Conditions

Operating Temperature(°C)	-40°C ~ +85°C
Maximum system voltage	1000/1500VDC (IEC)
Maximum series fuse rating	25A
Nominal operating cell temperature (NOCT)	45±2°C

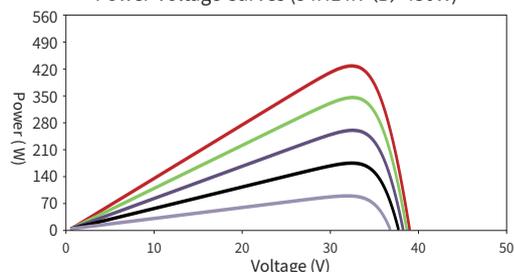
## Engineering Drawings



\*For specific dimensions and tolerance ranges, please refer to the corresponding module drawings.

## Electrical Performance & Temperature Dependence

Power-Voltage Curves (54HL4R- (B) 430W)



Current-Voltage Curves (54HL4R-(B) 430W)

