

TIGER Neo

54HL4R-B

435-445 Watt
MONO-FACIAL MODULE

N-type



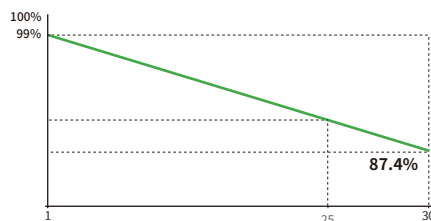
HOT 2.0 Technology

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



54HL4R-B 435-445Watt

Mechanical Characteristics

Cell Type	N -type Mono-crystalline
No. of cells	108 (54×2)
Dimensions	1762×1134×30mm
Weight	21.0 kg
Front Glass	3.2 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;MC4-EVO2;
Output Cables	4.0 mm ² (+): 400 mm , (-): 200 mm or Customized Length

Packaging Configuration

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

Specifications (STC)

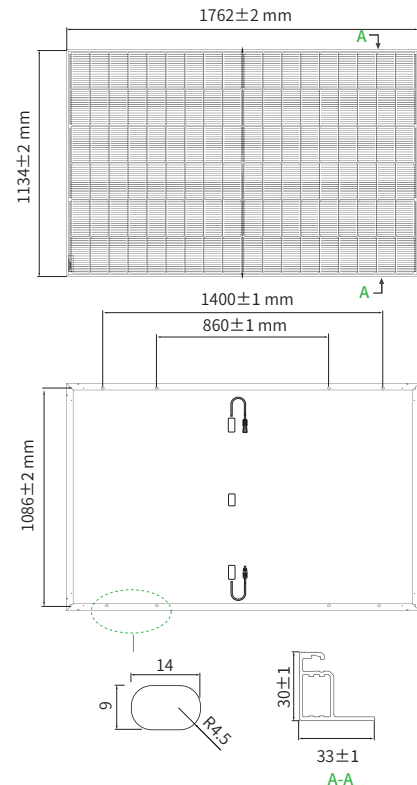
Maximum Power - Pmax [Wp]	435	440	445
Maximum Power Voltage - Vmp [V]	32.78	32.99	33.19
Maximum Power Current - Imp [A]	13.27	13.34	13.41
Open-circuit Voltage - Voc [V]	39.36	39.57	39.77
Short-circuit Current - Isc [A]	13.72	13.80	13.87
Module Efficiency STC [%]	21.77	22.02	22.27
Power Tolerance	± 3%		
Power Sorting Tolerance	-5 W~+15 W		
Temperature Coefficients of Pmax	-0.29 %/°C		
Temperature Coefficients of Voc	-0.25 %/°C		
Temperature Coefficients of Isc	0.045 %/°C		

STC: Irradiance 1000W/m², 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

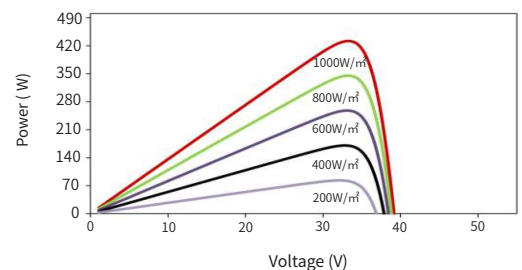
Engineering Drawings



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

Electrical Performance

Power-Voltage Curves (54HL4R-B 435W)



Current-Voltage Curves (54HL4R-B 435W)

