Jinko Solar Co., Ltd.
www.jinkosolar.com

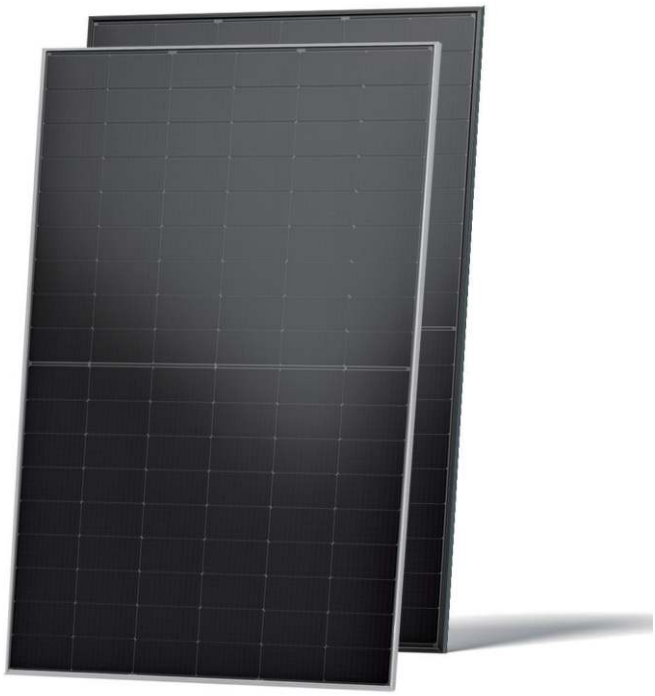
TIGER Neo

54HL4R

435-450 Watt

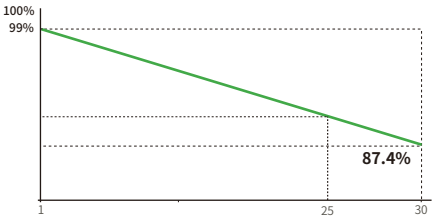
MONO-FACIAL MODULE

N-type



HOT 2.0 Technology

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



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

Mechanical Load Enhanced

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

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

CLEAN ENERGY COUNCIL MEMBER

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 mm² (+): 400 mm , (-): 200 mm or Customized Length

Packaging Configuration

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

Specifications (STC)

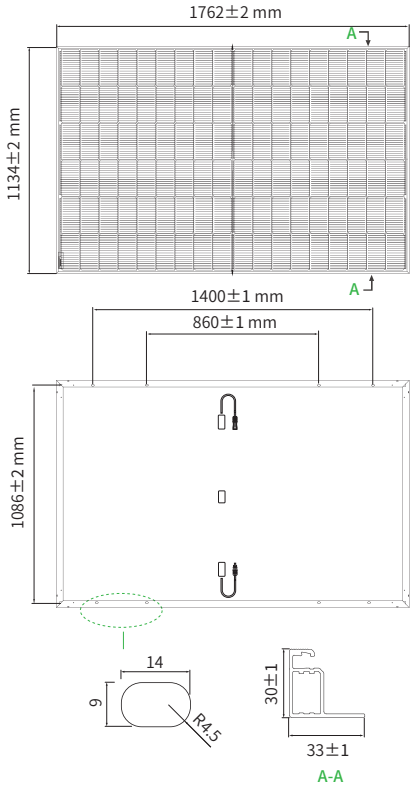
Maximum Power - Pmax [Wp]	435	440	445	450
Maximum Power Voltage - Vmp [V]	32.59	32.81	33.02	33.21
Maximum Power Current - Imp [A]	13.35	13.41	13.48	13.55
Open-circuit Voltage - Voc [V]	39.16	39.38	39.59	39.78
Short-circuit Current - Isc [A]	13.80	13.86	13.93	14.00
Module Efficiency STC [%]	21.77	22.02	22.27	22.52
Power Measurement Tolerance	± 3%			
Power Sorting Tolerance	-5W~+15W			
Temperature Coefficients of 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

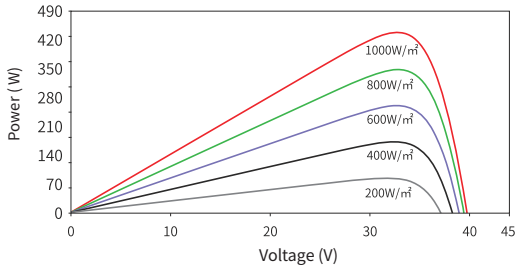
Engineering Drawings



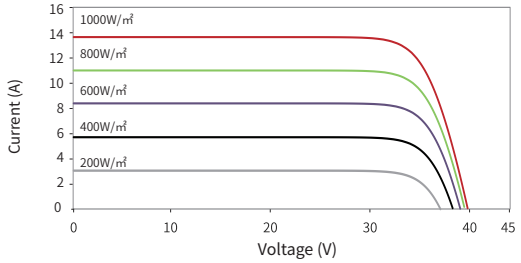
Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.

Electrical Performance

Power-Voltage Curves (54HL4R- 440W)



Current-Voltage Curves (54HL4R- 440W)



JinKO Solar
No.1, Lane 1466, Shen Chang Road, Minhang District, Shanghai, China
Tel：+86-21-51808777 Fax：+86-21-51808600 www.jinkosolar.com

Made in China

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

NOTE: Please read the safety and installation manual before using the product. We reserve the right of final interpretation. The specifications in this datasheet are subject to change without notice.