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Tiger Neo

54HL4R-B

430-455 Watt

ALL BLACK MONO-FACIAL MODULE

N-type

N-type Technology

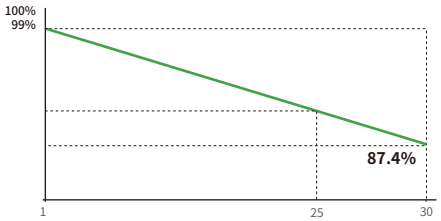
N-type modules with Tunnel Oxide Passivating Contacts (TOPcon) technology offer better low light performance.

HOT 3.0 Technology

N-type modules with JinkoSolar's HOT 3.0 technology offer better reliability and efficiency.

Mechanical Load Enhanced

Certified to withstand:
6000 Pa front side max static test load
4000 Pa rear side max static test load



25Year Product Warranty | **30**Year Linear Power Warranty | **1**% First-year Degradation | **0.40**% 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

JKM430-455N-54HL4R-B-F7-OC

54HL4R-B 430-455 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	3.2mm, 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	JK03M,JK03M2(JinKO)/MC4-EVO2(Staubli)
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)

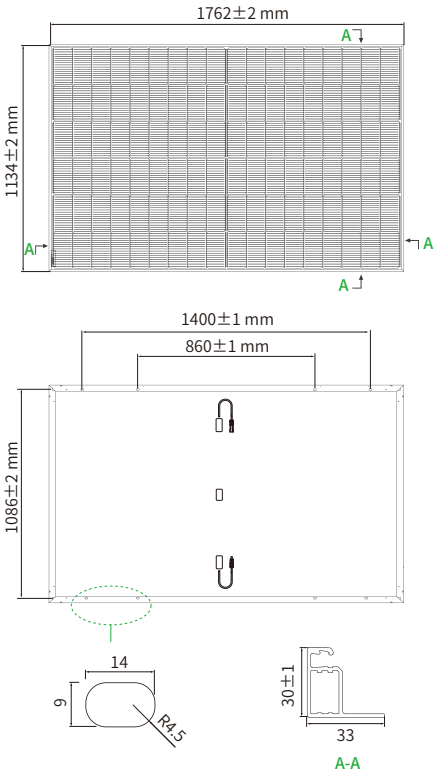
Maximum Power – Pmax [Wp]	430	435	440	445	450	455
Maximum Power Voltage – Vmp [V]	32.58	32.78	32.99	33.19	33.39	33.58
Maximum Power Current – Imp [A]	13.20	13.27	13.34	13.41	13.48	13.55
Open-circuit Voltage – Voc [V]	39.16	39.36	39.57	39.77	39.97	40.17
Short-circuit Current – Isc [A]	13.65	13.72	13.80	13.87	13.94	14.01
Module Efficiency STC [%]	21.52	21.77	22.02	22.27	22.52	22.77
Power Measurement Tolerance	± 3%					
Power Sorting	-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/m^2, Cell Temperature 25°C, AM=1.5

Application Conditions

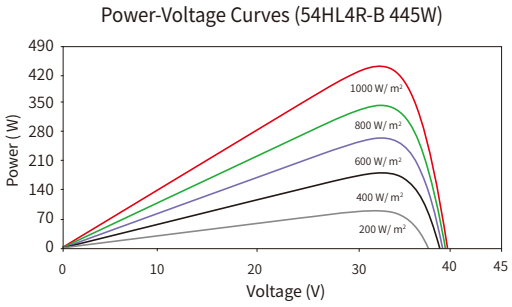
Operating Temperature	-40 °C ~ +70°C
Maximum System Voltage	1000 VDC (IEC)
Maximum Series Fuse Rating	25 A

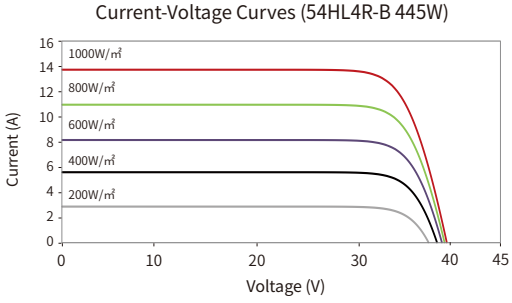
Engineering Drawings



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

Electrical Performance





Made in China

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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.

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