

TIGER Neo Satin

54HL4R-B

425-450 Watt

MONO-FACIAL MODULE

N-type



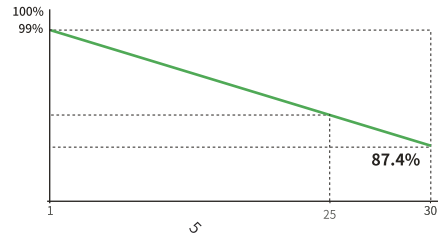
HOT 2.0 Technology

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



Mechanical Load Enhanced

Certified to withstand:
6000 Pa front side max static test load
4000 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
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- IEC61215 (2021) / IEC61730 (2023)
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems



54HL4R-B 425-450 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	3.2 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	JK03M; JK03M2; MC4; MC4-EVO2; Jinko material
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]	425	430	435	440	445	450
Maximum Power Voltage - Vmp [V]	32.37	32.58	32.78	32.99	33.19	33.39
Maximum Power Current - Imp [A]	13.13	13.20	13.27	13.34	13.41	13.48
Open-circuit Voltage - Voc [V]	38.95	39.16	39.36	39.57	39.77	39.97
Short-circuit Current - Isc [A]	13.58	13.65	13.72	13.80	13.87	13.94
Module Efficiency STC [%]	21.27	21.52	21.77	22.02	22.27	22.52
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

Specifications (NOCT)

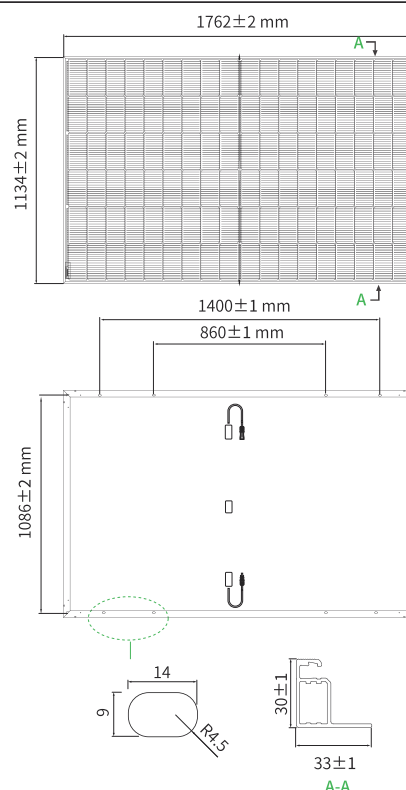
Maximum Power - Pmax [Wp]	320	323	327	331	335	338
Maximum Power Voltage - Vmp [V]	30.19	30.30	30.50	30.73	30.93	31.07
Maximum Power Current - Imp [A]	10.60	10.66	10.72	10.77	10.83	10.88
Open-circuit Voltage - Voc [V]	37.00	37.20	37.39	37.59	37.78	37.97
Short-circuit Current - Isc [A]	10.96	11.02	11.08	11.14	11.20	11.25

NOCT: Irradiance 800W/m², Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s

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

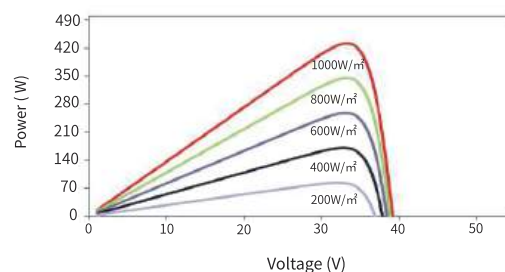
Engineering Drawings



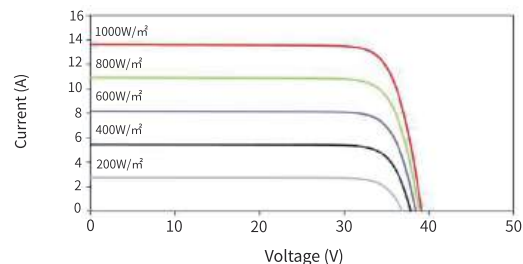
Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.

Electrical Performance

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



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



JKM425-450N-54HL4R-B-F6-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.



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

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