

TIGER Neo Satin

54HL4R-B

425-450 Watt

MONO-FACIAL MODULE

N-type



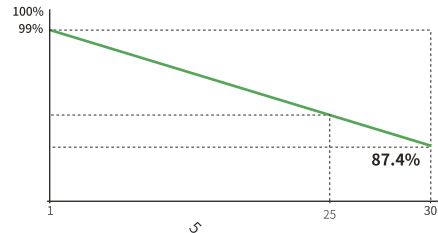
HOT 2.0 Technology

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
------------------------------------	--	--	--

- 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)

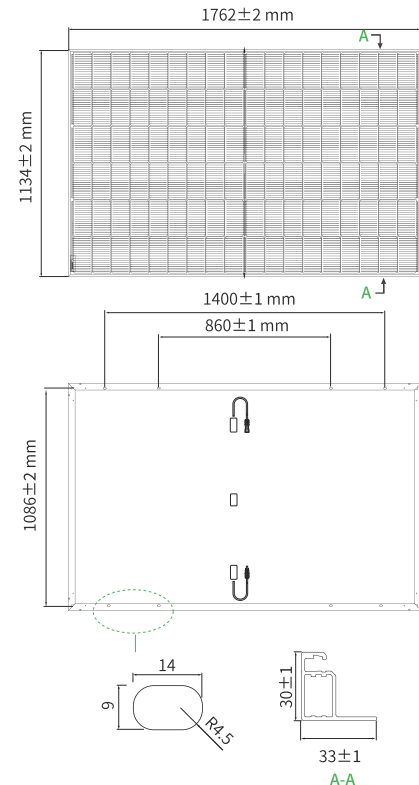
Maximum Power - Pmax [Wp]	320	323	327	331	335	338
Maximum Power Voltage - Vmp [V]	30.19	30.30	30.50	30.73	30.93	31.07
Maximum Power Current - Imp [A]	10.60	10.66	10.72	10.77	10.83	10.88
Open-circuit Voltage - Voc [V]	37.00	37.20	37.39	37.59	37.78	37.97
Short-circuit Current - Isc [A]	10.96	11.02	11.08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

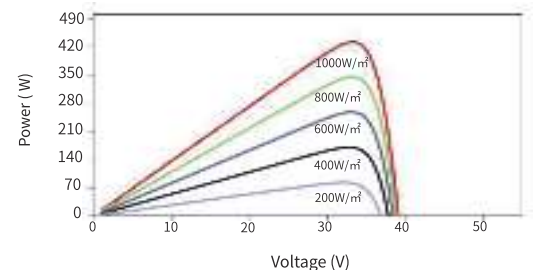
Engineering Drawings



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)

