

TIGER Neo

54HL4R-V

435-450 Watt
MONO-FACIAL MODULE

N-type



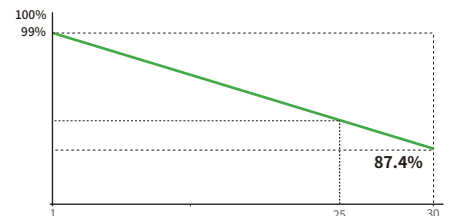
HOT 2.0 Technology

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



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
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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



POSITIVE QUALITY™
Continuous Quality Assurance

JKM435-450N-54HL4R-V-F5C3-EN

54HL4R-V 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	Staubli 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)

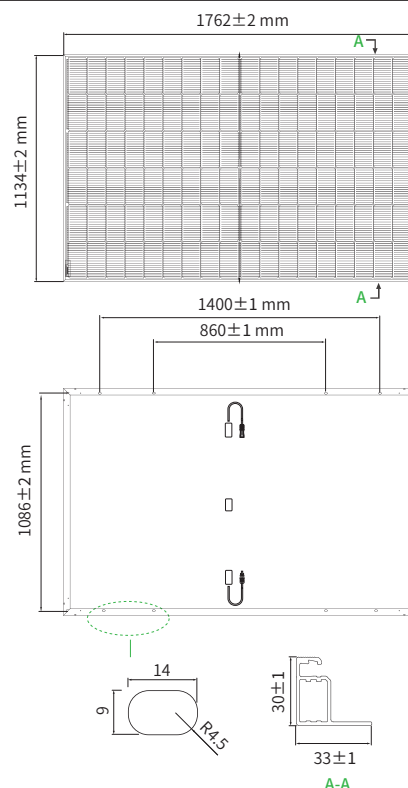
Maximum Power - P _{max} [Wp]	435	440	445	450
Maximum Power Voltage - V _{mp} [V]	32.59	32.81	33.02	33.21
Maximum Power Current - I _{mp} [A]	13.35	13.41	13.48	13.55
Open-circuit Voltage - V _{oc} [V]	39.16	39.38	39.59	39.78
Short-circuit Current - I _{sc} [A]	13.80	13.86	13.93	14.00
Module Efficiency STC [%]	21.77	22.02	22.27	22.52
Power Measurement Tolerance	± 3%			
Power Sorting Tolerance	-5W~+15W			
Temperature Coefficients of P _{max}	-0.29 %/°C			
Temperature Coefficients of V _{oc}	-0.25 %/°C			
Temperature Coefficients of I _{sc}	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	1500 VDC (IEC) with -V=1500V, without -V=1000V
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

