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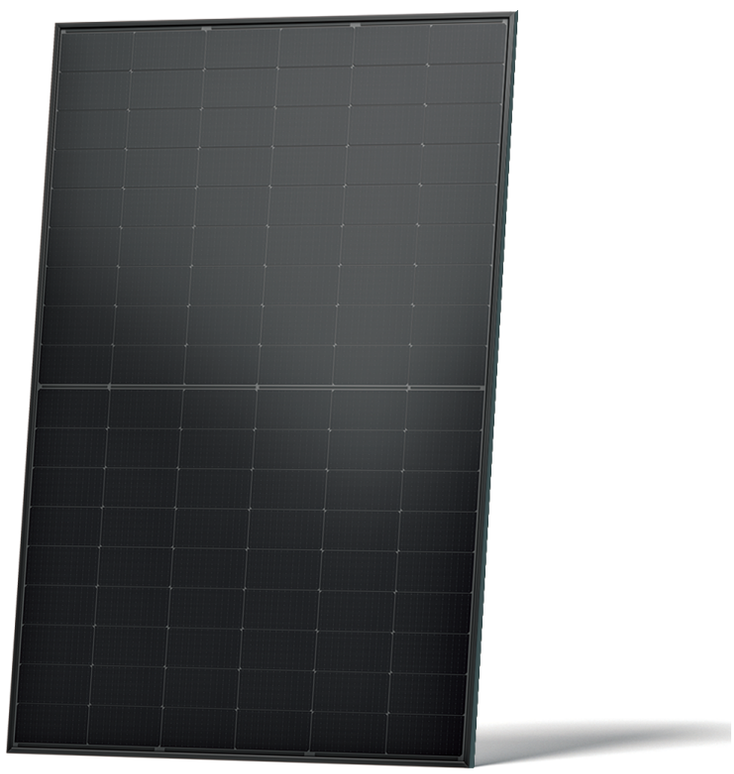
Neo Green

54HL4R-B

430-455 Watt

ALL BLACK MONO-FACIAL MODULE

N-type

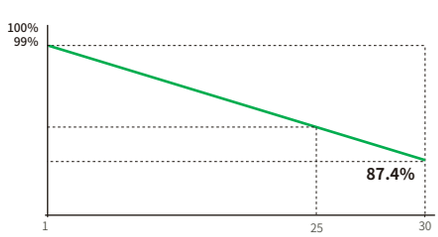


Zero Carbon Manufacturing

Manufacturing facilities producing Neo Green modules have been awarded the "Zero Carbon Factory" certification.

HOT 3.0 Technology

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



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

Durability Against Extreme Environment

High salt mist and ammonia resistance.

Mechanical Load Enhanced

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

- IEC61215:2021 / IEC61730:2023
- IEC61701 / IEC62716 / IEC60068 / IEC62804
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems

SMBB Technology

Better light trapping and current collection to improve module power output and reliability.

Anti-PID guarantee

Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control.

TÜV SÜD · CE · PV CYCLE · CLEAN ENERGY COUNCIL MEMBER · POSITIVE QUALITY™ Continuous Quality Assurance

EU-JKM430-455N-54HL4R-B-G3-EN

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	3.2 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
Output Cables	4.0 mm^2 (+): 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)

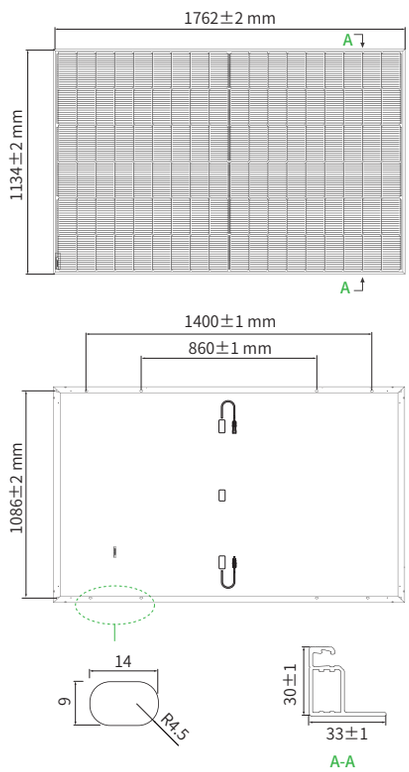
Maximum Power – Pmax [Wp]	430	435	440	445	450	455
Maximum Power Voltage – Vmp [V]	32.58	32.78	32.99	33.19	33.39	33.58
Maximum Power Current – Imp [A]	13.20	13.27	13.34	13.41	13.48	13.55
Open-circuit Voltage – Voc [V]	39.16	39.36	39.57	39.77	39.97	40.17
Short-circuit Current – Isc [A]	13.65	13.72	13.80	13.87	13.94	14.01
Module Efficiency STC [%]	21.52	21.77	22.02	22.27	22.52	22.77
Power Tolerance	0 ~ + 3 %					
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

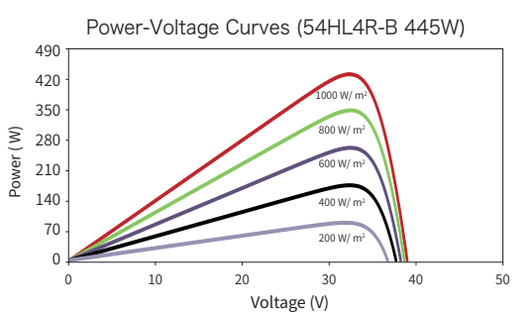
Operating Temperature	-40°C ~ +70°C
Maximum System Voltage	1000 VDC (IEC)
Maximum Series Fuse Rating	25 A

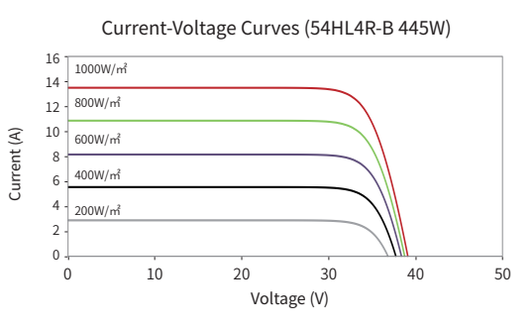
Engineering Drawings



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

Electrical Performance





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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.