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TIGER Neo

60HL4-V

490-510 Watt

MONO-FACIAL MODULE

N-type



N-type Technology

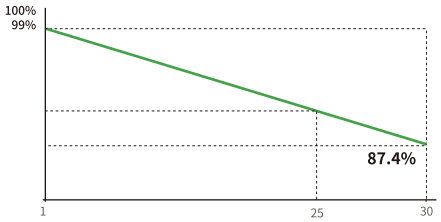
N-type modules with Tunnel Oxide Passivating Contacts (TOPCon) technology offer better low light performance.

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:
5400 Pa front side max static test load;
2400 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

JKM490-510N-60HL4-V-Z1C1-OC

60HL4-V 490-510 Watt

Mechanical Characteristics

Cell Type	N -type Mono-crystalline
No. of cells	120 (60×2)
Dimensions	1906×1134×30 mm
Weight	22.5 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	1936×1140×1249 mm
Packing detail (Two pallets=One stack)	37 pcs/pallets, 74 pcs/stack, 888 pcs/ 40'HQ Container

Specifications (STC)

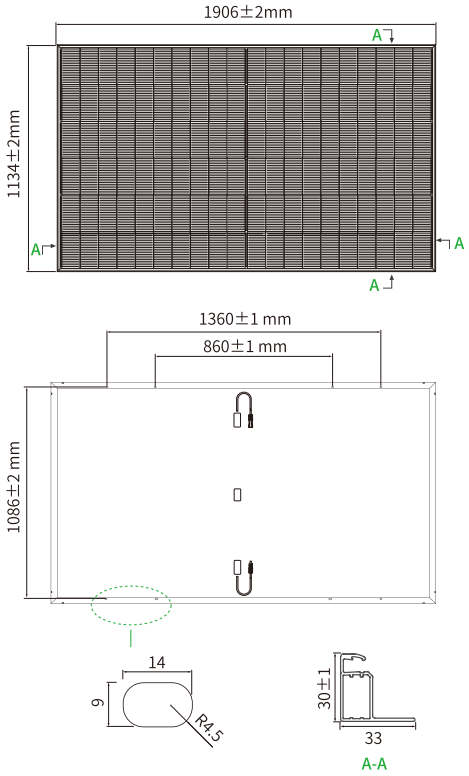
Maximum Power – Pmax [Wp]	490	495	500	505	510
Maximum Power Voltage – Vmp [V]	36.43	36.62	36.79	36.97	37.15
Maximum Power Current – Imp [A]	13.45	13.52	13.59	13.66	13.73
Open-circuit Voltage – Voc [V]	43.91	44.07	44.21	44.36	44.51
Short-circuit Current – Isc [A]	14.01	14.09	14.17	14.25	14.33
Module Efficiency STC [%]	22.67	22.90	23.13	23.36	23.60
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

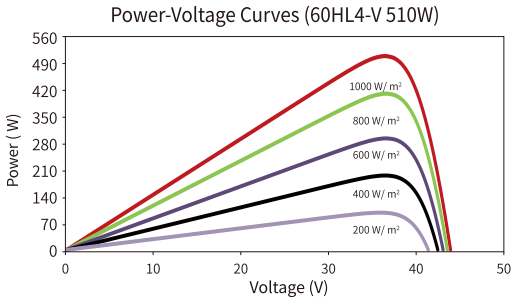
Operating Temperature	-40 °C ~ +70°C
Maximum System Voltage	1500 VDC (IEC)
Maximum Series Fuse Rating	25 A

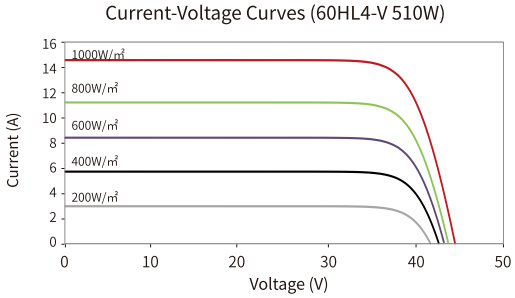
Engineering Drawings



*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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