

TIGER Neo

54HL4M-BDV

495-530 Watt

BIFACIAL MODULE WITH DUAL GLASS

N-type



HOT 3.0 Technology

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



Dual-Sided Power Generation

Dual-sided power generation gain increases with backside exposure to light, significantly reducing LCOE.

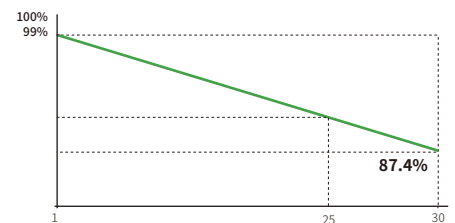


Mechanical Load Enhanced

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

0.40%
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



POSITIVE QUALITY™
Continuous Quality Assurance

JKM495-530N-54HL4M-BDV-Z1C1-OC

JKMxxxN-54HL4M-BDV (xxx=495-530, in steps of 5)

Mechanical Characteristics

Cell Type	N- type Mono-crystalline
No. of cells	108 (54×2)
Dimensions	1961×1134×30 mm
Weight	27.0 kg
Front Glass	2.0 mm, Anti-reflection Coating
Back Glass	2.0 mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Protection Class	Class II
IEC Fire Type	Class C
Connector Type	PV-JK03M/xy,PV-JK03M2/xy (JinkO) ; PV-KST4-EVO2A/xy,PV-KBT4-EVO2A/xy (Staubli)
Output Cables (Including Connector)	4.0 mm ² (+): 400 mm , (-): 200 mm or Customized Length

Packaging Configuration

Pallet Dimensions	1981×1140×1249 mm
Packing Detail (Two pallets = One stack)	37 pcs/pallets, 74 pcs/stack, 888 pcs/ 40'HQ Container

Specifications (STC)

Maximum Power - Pmax [Wp]	495	500	505	510	515	520	525	530
Maximum Power Voltage - Vmp [V]	33.72	33.95	34.17	34.39	34.62	34.83	35.05	35.27
Maximum Power Current - Imp [A]	14.68	14.73	14.78	14.83	14.88	14.93	14.98	15.03
Open-circuit Voltage - Voc [V]	40.21	40.38	40.55	40.72	40.89	41.06	41.23	41.40
Short-circuit Current - Isc [A]	15.58	15.63	15.68	15.73	15.78	15.83	15.88	15.93
Module Efficiency STC [%]	22.26	22.48	22.71	22.93	23.16	23.38	23.61	23.83
Power Measurement Tolerance	± 3%							
Power Sorting Tolerance	-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/m², Cell Temperature 25°C, AM=1.5

Specifications (BNPI)

Maximum Power - Pmax [Wp]	545	551	556	562	567	573	578	584
Maximum Power Voltage - Vmp [V]	33.72	33.95	34.17	34.39	34.62	34.83	35.05	35.27
Maximum Power Current - Imp [A]	16.16	16.22	16.27	16.33	16.38	16.44	16.49	16.54
Open-circuit Voltage - Voc [V]	40.21	40.38	40.55	40.72	40.89	41.06	41.23	41.40
Short-circuit Current - Isc [A]	17.15	17.21	17.26	17.32	17.37	17.43	17.48	17.54

BNPI: Irradiance: front 1000W/m², rear 135W/m², Cell Temperature 25°C, AM=1.5

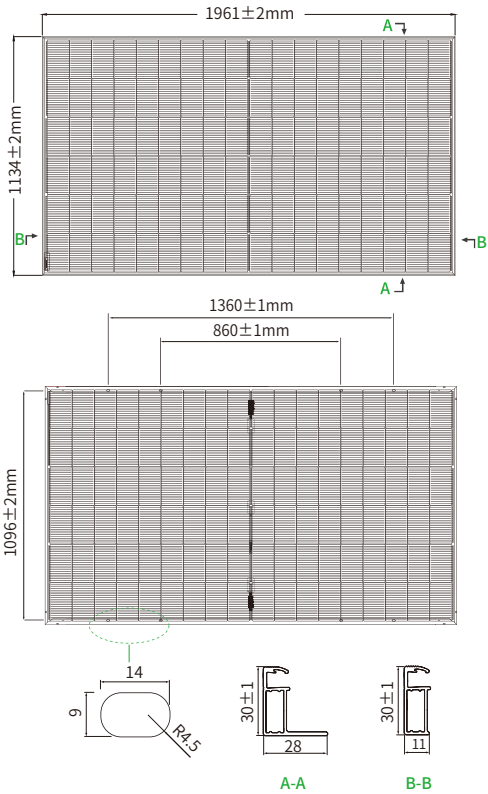
Bifacial Output-Rearside Power Gain

[15%] Maximum Power - Pmax [Wp]	569	575	581	587	592	598	604	610
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Application Conditions

Operating Temperature	-40 °C ~ +70 °C
Maximum System Voltage	1500 VDC (IEC)
Maximum Series Fuse Rating	35 A
Bifaciality Coefficient	φVoc: 98±5 %, φIsc: 80±5 %, φPmax: 80±5 %

Engineering Drawings



Electrical Performance

