

TIGER Neo

72HL4-BDV

585-610 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.

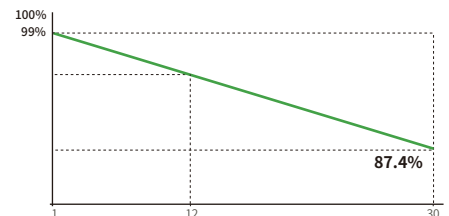


Mechanical Load Enhanced

Certified to withstand:

5400 Pa front side max static test load

2400 Pa rear side max static test load



12 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



JKM585-610N-72HL4-BDV-F9C1-OC

72HL4-BDV 585-610 Watt

Mechanical Characteristics

Cell Type	N- type Mono-crystalline
No. of cells	144 (72×2)
Dimensions	2278×1134×30 mm
Weight	31.0 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-03M2/xy (JinkO) ; PV-KST4-EVO2A/xy,PV-KBT4-EVO2A/xy (Staubli)
Output Cables	4.0 mm ² (+): 400 mm , (-): 200 mm or Customized Length

Packaging Configuration

Pallet Dimentions	2338×1140×1251 mm
Packing Detail (Two pallets = One stack)	36 pcs/pallets, 72 pcs/stack, 720 pcs/ 40'HQ Container

Specifications (STC)

Maximum Power - Pmax [Wp]	585	590	595	600	605	610
Maximum Power Voltage - Vmp [V]	44.02	44.17	44.31	44.45	44.59	44.73
Maximum Power Current - Imp [A]	13.29	13.36	13.43	13.50	13.57	13.64
Open-circuit Voltage - Voc [V]	52.70	52.90	53.10	53.30	53.50	53.70
Short-circuit Current - Isc [A]	14.01	14.07	14.13	14.19	14.25	14.31
Module Efficiency STC [%]	22.65	22.84	23.03	23.23	23.42	23.61
Power Measurement Tolerance	± 3%					
Power Sorting	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/m², Cell Temperature 25°C, AM=1.5

Specifications (BNPI)

Maximum Power - Pmax [Wp]	644	649	655	660	666	671
Maximum Power Voltage - Vmp [V]	44.17	44.33	44.50	44.66	44.82	44.98
Maximum Power Current - Imp [A]	14.58	14.64	14.72	14.78	14.86	14.92
Open-circuit Voltage - Voc [V]	52.73	52.93	53.13	53.33	53.53	53.73
Short-circuit Current - Isc [A]	15.31	15.37	15.43	15.49	15.55	15.61

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

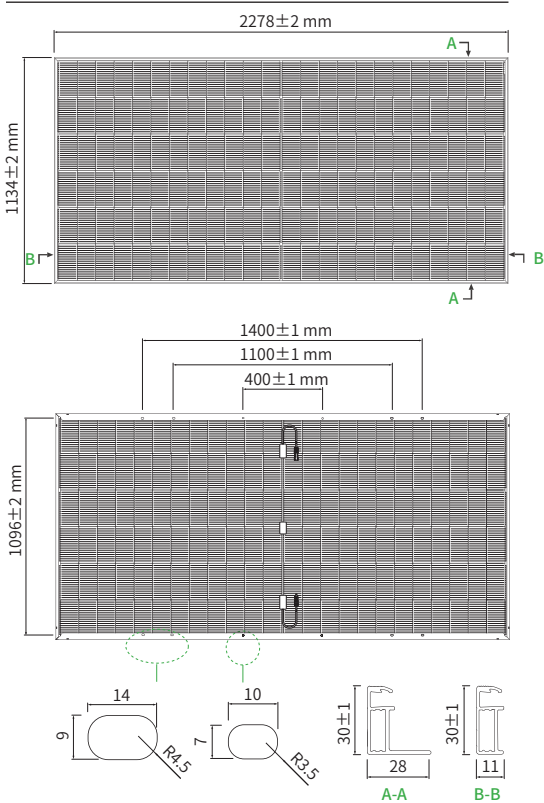
Bifacial Output-Rearside Power Gain

[15%] Maximum Power - Pmax [Wp]	673	679	684	690	696	702
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Application Conditions

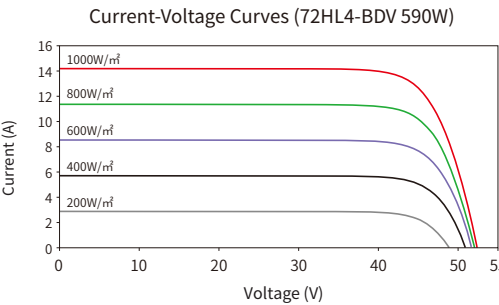
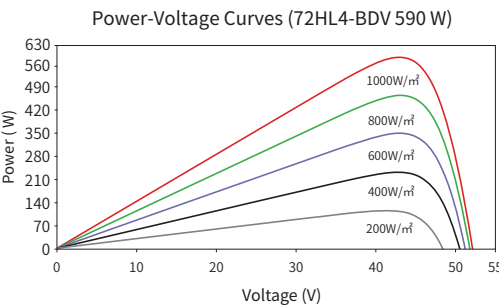
Operating Temperature	-40 °C ~ +70 °C
Maximum System Voltage	1500 VDC (IEC)
Maximum Series Fuse Rating	30 A
Bifaciality Coefficient	φVoc: 98±5 % , φIsc: 80±5 % , φPmax: 80±5 %

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.

Made in China

JKM585-610N-72HL4-BDV-F9C1-OC

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