

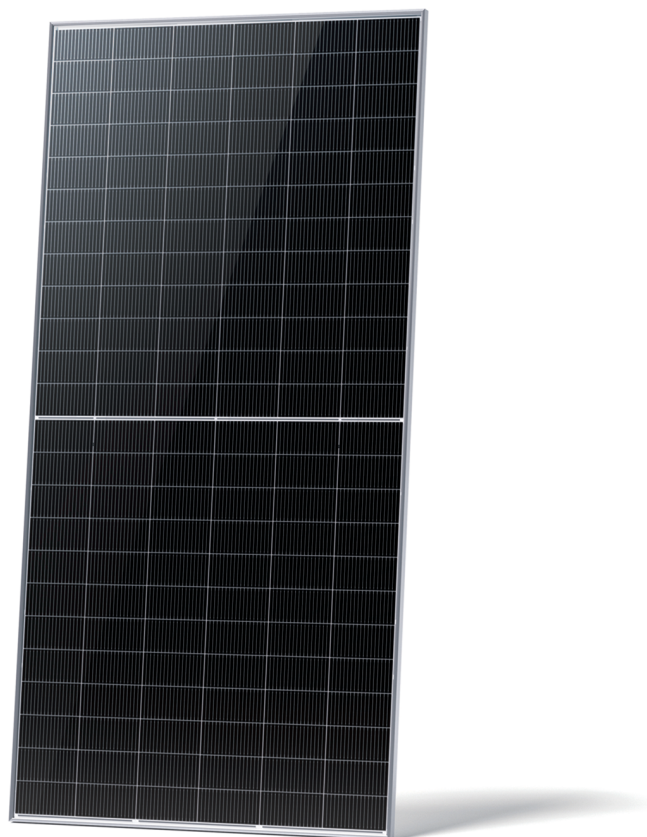
TIGER Neo

72HL4-BDX

570-590 Watt

BIFACIAL MODULE WITH DUAL GLASS

N-type



Mechanical Load Enhanced

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



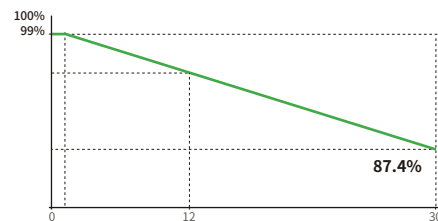
High Hail Resistance

Pass the 55mm hail resistance test.



HOT 2.0 Technology

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



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



JKM570-590N-72HL4-BDX-F2-EN AU CEC

72HL4-BDX 570-590 Watt

Mechanical Characteristics

Cell Type	N type Mono-crystalline
No. of cells	144 (72×2)
Dimensions	2278×1134×30 mm
Weight	37.7 kg
Front Glass	2.5 mm, Anti-Reflection Coating
Back Glass	2.5 mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Protection Class	Class II
IEC Fire Type	Class C
Connector Type	Jinko material:JK03M; JK03M2; Stäubli: MC4-EVO2;
Output Cables	4.0 mm ² (+): 400 mm , (-): 200 mm or Customized Length

Packaging Configuration

(Two pallets = One stack)	2338×1140×1251 mm
Packing detail	36 pcs/pallets, 72 pcs/stack, 612 pcs/ 40'HQ Container

Specifications (STC)

Maximum Power - Pmax [Wp]	570	575	580	585	590
Maximum Power Voltage - Vmp [V]	43.58	43.73	43.88	44.02	44.17
Maximum Power Current - Imp [A]	13.08	13.15	13.22	13.29	13.36
Open-circuit Voltage - Voc [V]	52.10	52.30	52.50	52.70	52.90
Short-circuit Current - Isc [A]	13.83	13.89	13.95	14.01	14.07
Module Efficiency STC [%]	22.07	22.26	22.45	22.65	22.84
Power Measurement Tolerance	± 3%				
Power Sorting 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/m², Cell Temperature 25°C, AM=1.5

Specifications (BNPI)

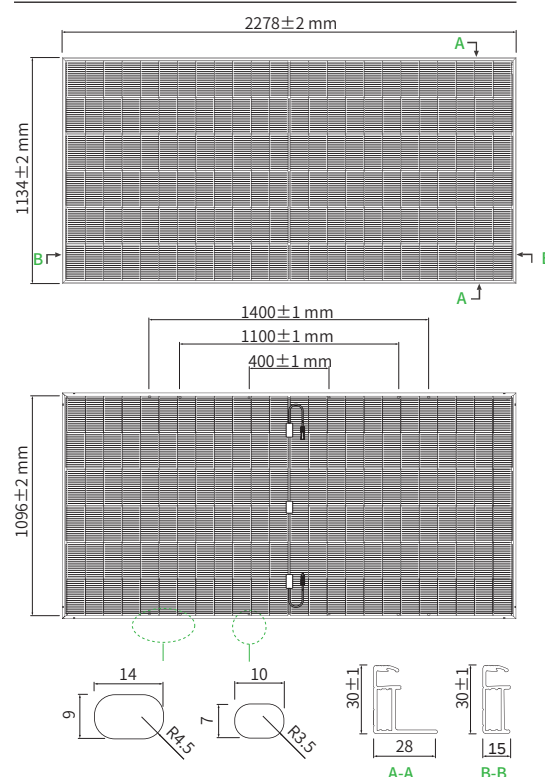
Maximum Power - Pmax [Wp]	627	633	638	644	649
Maximum Power Voltage - Vmp [V]	43.67	43.84	44.00	44.17	44.33
Maximum Power Current - Imp [A]	14.36	14.44	14.50	14.58	14.64
Open-circuit Voltage - Voc [V]	52.13	52.33	52.53	52.73	52.93
Short-circuit Current - Isc [A]	15.13	15.19	15.25	15.31	15.37
Short-circuit Current Bifaciality Coefficient	(80±5) %				
Open-circuit Voltage Bifaciality Coefficient	(98±5) %				
Maximum Power Bifaciality Coefficient	(80±5) %				

BNPI: Irradiance 1000 + ϕ *135W /m², Cell Temperature 25°C, AM=1.5

Application Conditions

Operating Temperature [°C]	-40 °C ~ +85 °C
Maximum system voltage	1500 VDC (IEC)
Maximum series fuse rating	30 A
Nominal operating cell temperature (NOCT)	45±2 °C
Refer. Bifacial Factor	80±5 %

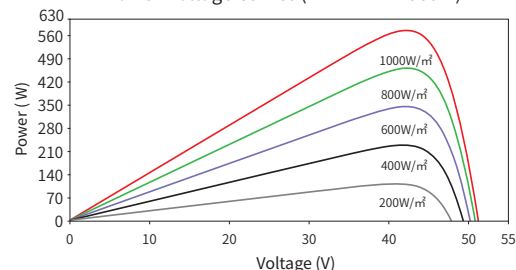
Engineering Drawings



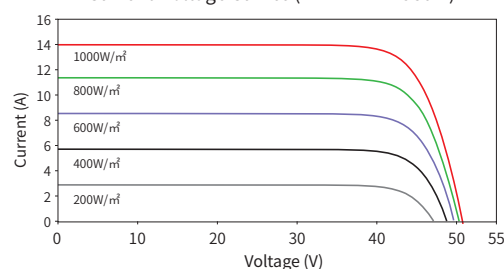
*For specific dimensions and tolerance ranges, please refer to the corresponding module drawings.

Electrical Performance

Power-Voltage Curves (72HL4-BDX 580W)



Current-Voltage Curves (72HL4-BDX 580W)



JKM570-590N-72HL4-BDX-F2-EN AU CEC



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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