

TIGER Neo

72HL4-BDV

565-590 Watt

BIFACIAL MODULE WITH DUAL GLASS

N-type



HOT 2.0 Technology

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



Dual-Sided Power Generation

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

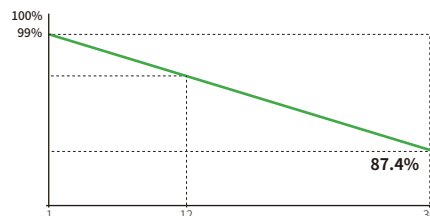


Mechanical Load Enhanced

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

0.4%
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
- (Made in China)



JKM565-590N-72HL4-BDV-F8-EN AU CEC

72HL4-BDV 565-590 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
Output Cables	4.0 mm ² (+): 400 mm , (-): 200 mm or Customized Length
Connector Type	1500V: Staubli MC4-EVO2; JK03M/2B, JK03M2/2B, Jinko PV material

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]	565	570	575	580	585	590
Maximum Power Voltage - Vmp [V]	43.43	43.58	43.73	43.88	44.02	44.17
Maximum Power Current - Imp [A]	13.01	13.08	13.15	13.22	13.29	13.36
Open-circuit Voltage - Voc [V]	51.90	52.10	52.30	52.50	52.70	52.90
Short-circuit Current - Isc [A]	13.77	13.83	13.89	13.95	14.01	14.07
Module Efficiency STC [%]	21.87	22.07	22.26	22.45	22.65	22.84
Power Measurement Tolerance	-3% ~ + 3 %					
Power Sorting Tolerance	0 ~ 3 %					
Temperature Coefficients of Pmax	-0.29 %/°C					
Temperature Coefficients of Voc	-0.25 %/°C					
Temperature Coefficient of Isc	0.045 %/°C					

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

Specifications (BNPI)

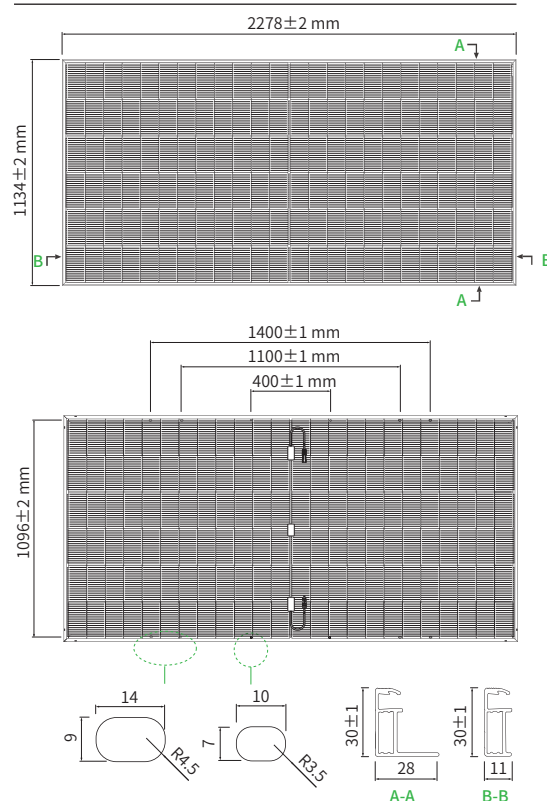
Maximum Power - Pmax [Wp]	622	627	633	638	644	649
Maximum Power Voltage - Vmp [V]	43.50	43.67	43.84	44.00	44.17	44.33
Maximum Power Current - Imp [A]	14.30	14.36	14.44	14.50	14.58	14.64
Open-circuit Voltage - Voc [V]	51.93	52.13	52.33	52.53	52.73	53.93
Short-circuit Current - Isc [A]	15.07	15.13	15.19	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	-40 °C ~ +70 °C
Maximum system voltage	1500VDC (IEC)
Maximum Series Fuse Rating	30 A
Nominal Operating Cell Temperature -NOCT	45±2 °C
Refer. Bifacial Factor	80±5 %

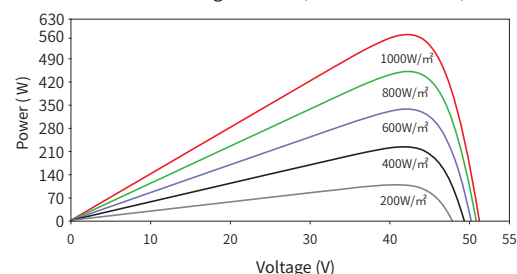
Engineering Drawings



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

Electrical Performance

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



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

