

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.

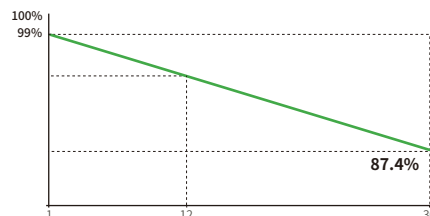


Mechanical Load Enhanced

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)

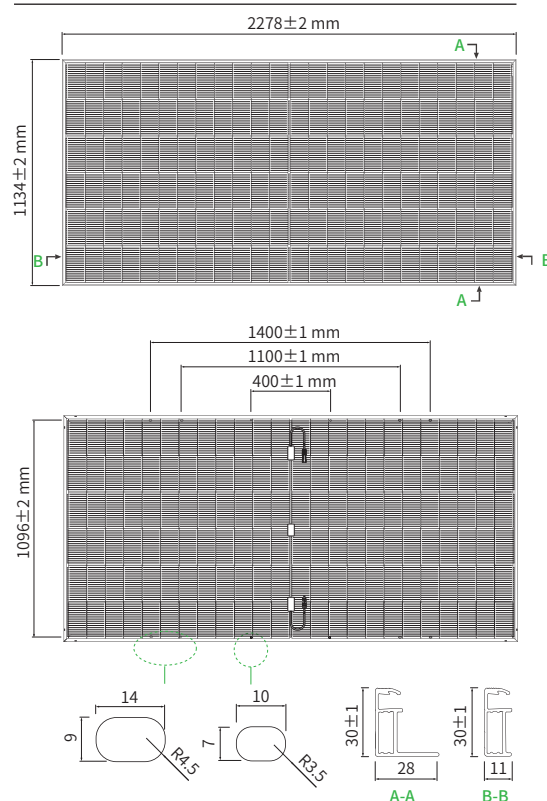
Maximum Power - Pmax [Wp]	622	627	633	638	644	649
Maximum Power Voltage - Vmp [V]	43.50	43.67	43.84	44.00	44.17	44.33
Maximum Power Current - Imp [A]	14.30	14.36	14.44	14.50	14.58	14.64
Open-circuit Voltage - Voc [V]	51.93	52.13	52.33	52.53	52.73	53.93
Short-circuit Current - Isc [A]	15.07	15.13	15.19	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 %

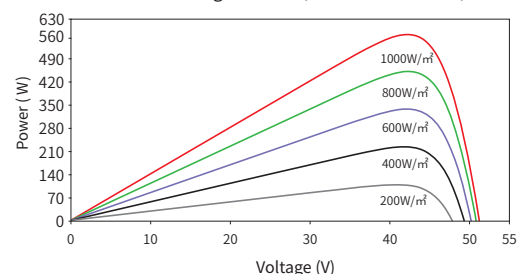
Engineering Drawings



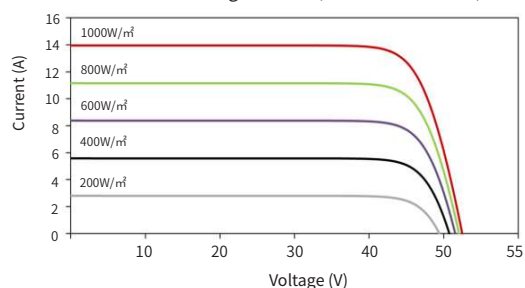
Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.

Electrical Performance

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



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



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.

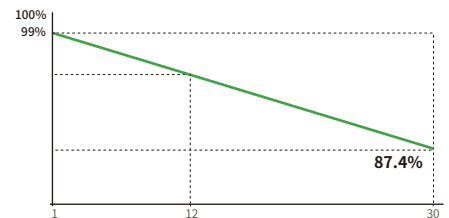


Mechanical Load Enhanced

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

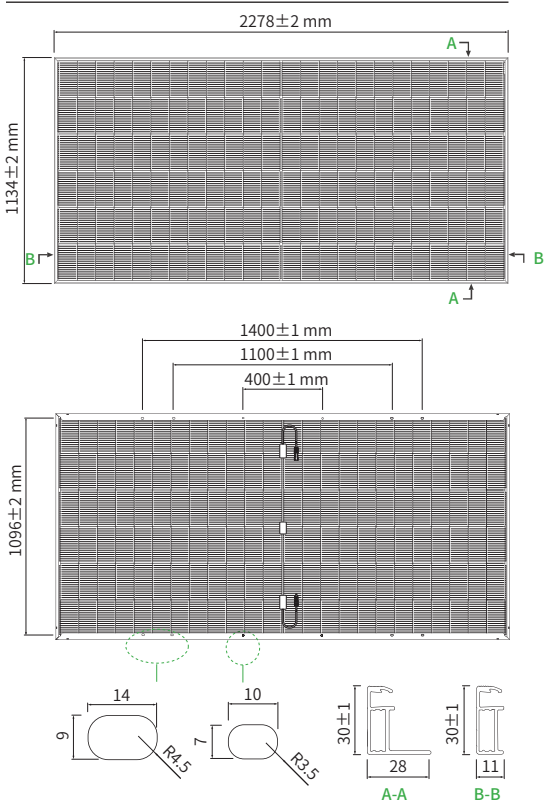
Bifacial Output-Rearside Power Gain

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

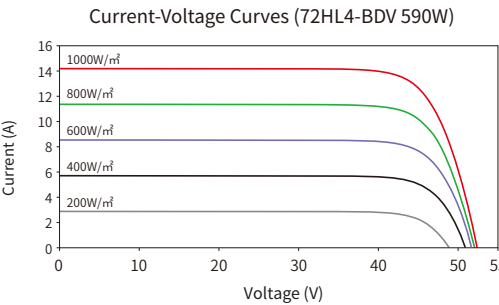
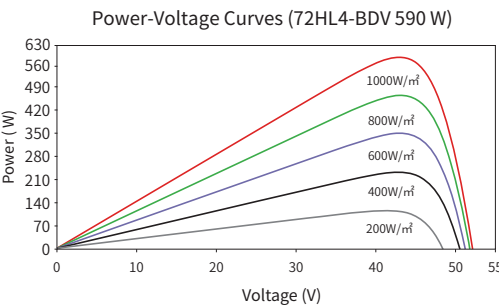
Operating Temperature	-40 °C ~ +70 °C
Maximum System Voltage	1500 VDC (IEC)
Maximum Series Fuse Rating	30 A
Bifaciality Coefficient	φVoc: 98±5 % , φIsc: 80±5 % , φPmax: 80±5 %

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

www.jinkosolar.com
www.jinkosolar.com.au

TIGER Neo

78HL4-BDV

615-635 Watt

BIFACIAL MODULE WITH DUAL GLASS

N-type



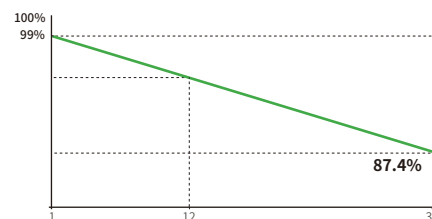
N-type Technology

N-Type modules with Tunnel Oxide Passivating Contacts (TOPCon) technology offer lower LID/LeTID degradation and better low light performance.



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

0.4%
Annual Degradation
Over 30 Years



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



SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



Anti-PID Guarantee

Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control.

- IEC61215 (2016) / IEC61730 (2016)
- IEC61701 / IEC62716 / IEC60068 / IEC62804
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems



POSITIVE QUALITY™
Continuous Quality Assurance

JKM615-635N-78HL4-BDV-F8-EN

78HL4-BDV 615-635 Watt

Mechanical Characteristics

Cell Type	N- type Mono-crystalline
No. of cells	156 (78×2)
Dimensions	2465×1134×30 mm
Weight	34.0 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

Packaging Configuration

Pallet Dimentions	2525×1140×1251 mm
Packing Detail (Two pallets = One stack)	36 pcs/pallets, 72 pcs/stack, 576 pcs/ 40'HQ Container

Specifications (STC)

Maximum Power - Pmax [Wp]	615	620	625	630	635
Maximum Power Voltage - Vmp [V]	47.20	47.37	47.54	47.70	47.86
Maximum Power Current - Imp [A]	13.03	13.09	13.15	13.21	13.27
Open-circuit Voltage - Voc [V]	56.69	56.82	56.95	57.08	57.21
Short-circuit Current - Isc [A]	13.68	13.74	13.80	13.86	13.92
Module Efficiency STC [%]	22.00	22.18	22.36	22.54	22.72
Power 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 (NOCT)

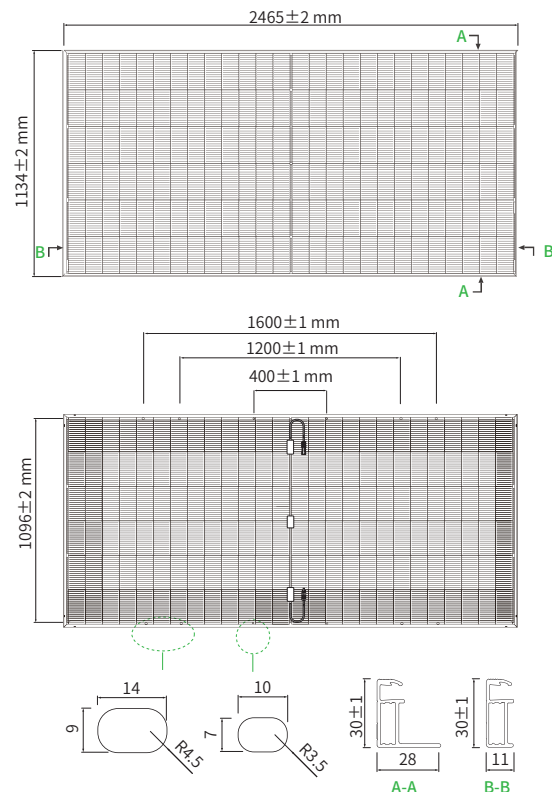
Maximum Power - Pmax [Wp]	463	467	471	475	479
Maximum Power Voltage - Vmp [V]	44.39	44.54	44.69	44.83	44.98
Maximum Power Current - Imp [A]	10.44	10.49	10.54	10.59	10.64
Open-circuit Voltage - Voc [V]	53.85	53.97	54.10	54.22	54.34
Short-circuit Current - Isc [A]	11.04	11.09	11.14	11.19	11.24

NOCT: Irradiance 800W/m², Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s

Application Conditions

Operating Temperature	-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 %

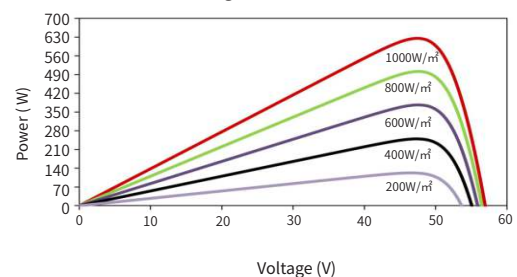
Engineering Drawings



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

Electrical Performance

Power-Voltage Curves (78HL4-BDV 625W)



Current-Voltage Curves (78HL4-BDV 625W)

