

TIGER Neo

78HL4-BDV

615-640 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.

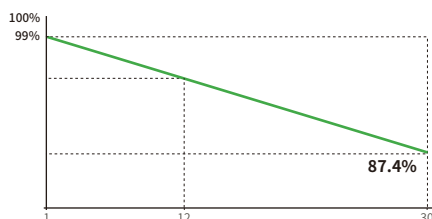


Mechanical Load Enhanced

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)



JKM615-640N-78HL4-BDV-F8-EN AU CEC

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
Connector Type	1500V: Staubli MC4-EVO2;JK03M/2B, JK03M2/2B, Jinko PV material

Packaging Configuration

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

Specifications (STC)

Maximum Power - Pmax [Wp]	615	620	625	630	635	640
Maximum Power Voltage - Vmp [V]	47.20	47.37	47.54	47.70	47.86	48.02
Maximum Power Current - Imp [A]	13.03	13.09	13.15	13.21	13.27	13.33
Open-circuit Voltage - Voc [V]	56.69	56.82	56.95	57.08	57.21	57.34
Short-circuit Current - Isc [A]	13.68	13.74	13.80	13.86	13.92	13.98
Module Efficiency STC [%]	22.00	22.18	22.36	22.54	22.72	22.90
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 Coefficients of Isc	0.045 %/°C					

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

Specifications (BNPI)

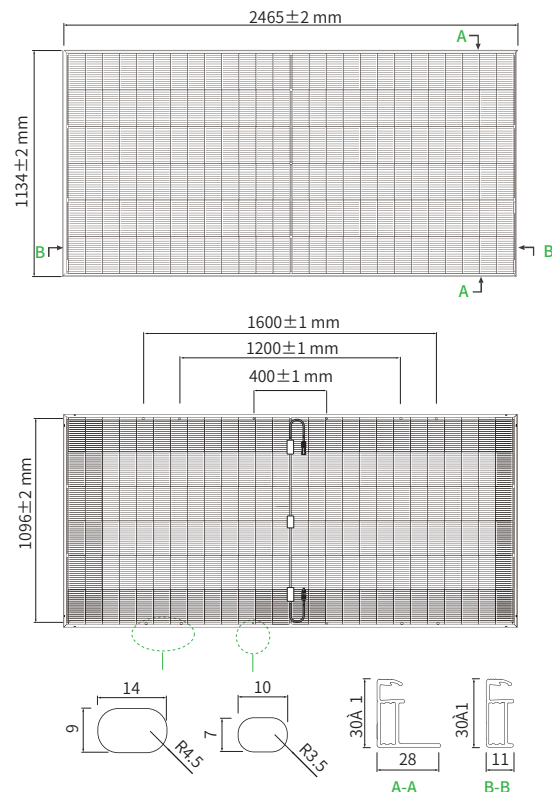
Maximum Power - Pmax [Wp]	677	682	688	693	699	704
Maximum Power Voltage - Vmp [V]	47.24	47.40	47.57	47.73	47.91	48.06
Maximum Power Current - Imp [A]	14.33	14.39	14.46	14.52	14.59	14.65
Open-circuit Voltage - Voc [V]	56.72	56.86	57.00	57.14	57.28	57.42
Short-circuit Current - Isc [A]	15.03	15.11	15.19	15.27	15.35	15.43
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 %

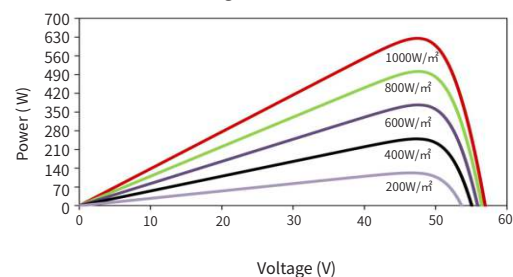
Engineering Drawings



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

Electrical Performance

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



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

