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Tiger Neo

78HL4-BDV

615-635 Watt

BIFACIAL MODULE WITH DUAL GLASS

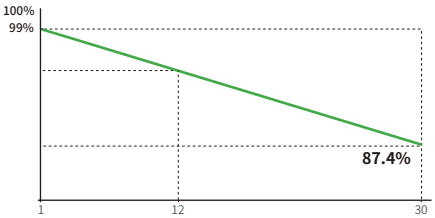
N-type

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	30 Year	1%	0.4%
Product Warranty	Linear Power Warranty	First-year Degradation	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

- 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

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.

CLEAN ENERGY COUNCIL MEMBER

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/m^2, Cell Temperature 25°C, AM=1.5

Specifications (NOCT)

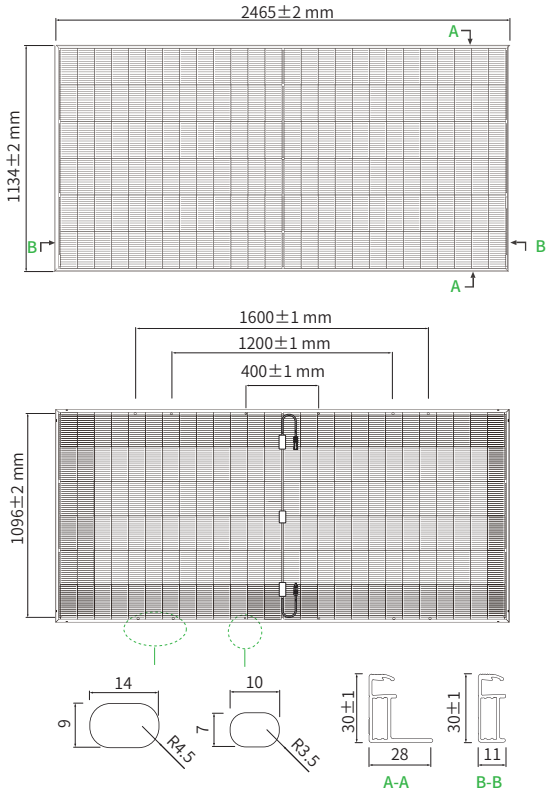
Maximum Power - Pmax [Wp]	463	467	471	475	479
Maximum Power Voltage - Vmp [V]	44.39	44.54	44.69	44.83	44.98
Maximum Power Current - Imp [A]	10.44	10.49	10.54	10.59	10.64
Open-circuit Voltage - Voc [V]	53.85	53.97	54.10	54.22	54.34
Short-circuit Current - Isc [A]	11.04	11.09	11.14	11.19	11.24

NOCT: Irradiance 800W/m^2, 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 %

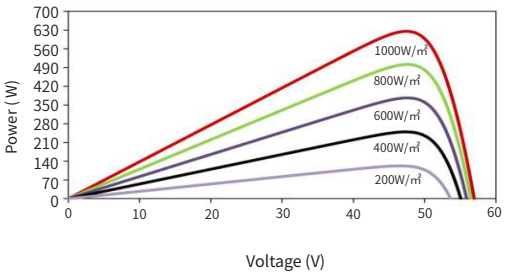
Engineering Drawings



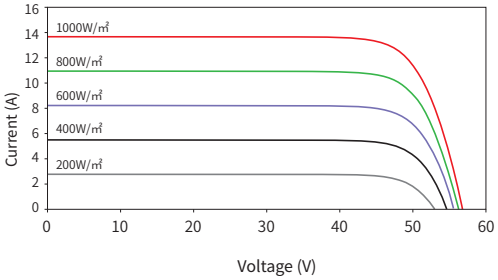
Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.

Electrical Performance

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



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



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