

Jinko Solar JKM625/JKM630/JKM635/JKM640/JKM645/JKM650N-78HL4-BDV-F10

A dual-glass bifacial panel that harvests light from both faces, so the same roof or ground array quietly returns more energy every year.

Models Covered: JKM625N-78HL4-BDV-F10, JKM630N-78HL4-BDV-F10, JKM635N-78HL4-BDV-F10, JKM640N-78HL4-BDV-F10, JKM645N-78HL4-BDV-F10, JKM650N-78HL4-BDV-F10

Manufacturer: Jinko Solar Co., Ltd.

Application: This is a full-size dual-glass bifacial module built on N-type cells, made for commercial rooftops, ground-mounted farms and utility fields where every square metre has to earn its place. The clear rear glass turns light reflected off the ground or the roof into extra output, while glass on both faces, an anodised aluminium frame and a sealed junction box carry it through sand, salt air and hard weather. It is covered for 12 years as a product and 30 years on performance.

Technical Specifications

Parameter	JKM625N-78HL4-BDV-F10	JKM630N-78HL4-BDV-F10	JKM635N-78HL4-BDV-F10	JKM640N-78HL4-BDV-F10	JKM645N-78HL4-BDV-F10	JKM650N-78HL4-BDV-F10
PV String Input Data						
Maximum Power (Pmax)	625W	630W	635W	640W	645W	650W
Module Efficiency	22.36%	22.54%	22.72%	22.90%	23.07%	23.25%
Bifaciality	Voc:98±5%, qplsc: 80±5 %, Pmax: 80±5%					
Cell Technology	N- type Mono-crystalline					
Power Output Tolerance	0 ~ + 3 %					
Temperature Coefficient of Isc	—	—	0.045 %/°C	0.045 %/°C	—	—
Temperature Coefficient of Pmax	—	—	-0.29 %/°C	-0.29 %/°C	—	—
Temperature Coefficient of Voc	-0.25 %/°C					
Electrical / AC Output Data						
Current at Maximum Power (Impp)	13.15 A	13.21 A	13.27 A	13.33 A	13.39 A	13.45 A
Maximum System Voltage	1500 VDC (IEC)	1500 VDC (IEC)	—	—	—	4 V
Open Circuit Voltage (Voc)	56.95 V	57.08 V	57.21 V	57.34 V	57.47 V	57.60 V
Short Circuit Current (Isc)	13.80 A	13.86 A	13.92 A	13.98 A	14.04 A	14.10 A

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Voltage at Maximum Power (Vmpp)	47.54 V	47.70 V	47.86 V	48.02 V	48.17 V	48.33 V
Protection Features						
Maximum Series Fuse Rating	30 A					
Junction Box	IP68 Rated					
Fire Rating	Class C					
Protection Class	Class II					
Mechanical Data						
Back Glass	2.0 mm, Heat Strengthened Glass					
Connector Type	JK03M/MC4/Others	JK03M/MC4/Others	JK03M/MC4/Others	—	—	400±1 mm
Dimensions (W×H×D)	2465×1134×30 mm					
Frame Material	Anodized Aluminium Alloy					
Front Glass	2.0 mm, Anti-reflection Coating					
Number of Cells	156 (78×2)					
Weight	34.0 kg					
Packing Detail	36 pcs/pallets, 72 pcs/stack,					
Pallet Dimensions	2525×1140×1251mm					
Operating Conditions						
Operating Temperature	-40 °C ~ +70 °C*					

Note: Specifications are based on the official Jinko Solar JKM625/JKM630/JKM635/JKM640/JKM645/JKM650N-78HL4-BDV-F10 datasheet. Values may be subject to change; always verify against the latest manufacturer documentation before system design and procurement.

Availability & grid compliance in UAE

Market	UAE
Grid authority / regulator	DEWA, ADDC, SEWA
Quotation currency	AED
Support hours timezone	Asia/Dubai
Delivery & installation coverage	Dubai, Abu Dhabi, Sharjah, Ajman, Ras Al Khaimah

Figures on this page are the manufacturer's own, measured at the test conditions the datasheet states — they do not change by country. What changes is the approval that has to be met before the unit is energised: in UAE that is DEWA, ADDC, SEWA. Confirm the grid code, import requirements and any local certification with them, or with us, before you order.

Key Features & Technical Highlights

- **Power from both faces:** The clear rear glass converts light bouncing off the ground into extra output, rated at up to 80% of the front face.
- **Glass on both sides:** Two 2 mm sheets of glass replace the plastic backsheet, with an anti-reflection coating on the front to let more light in.
- **Built for wind and heavy loads:** Certified to hold 5400 Pa of load on the front face and 2400 Pa on the back.
- **Output that does not quietly fade:** N-type cells come with an anti-PID guarantee and hold up better in weak morning and evening light.

Frequently Asked Questions

- ▶ How much extra energy does the bifacial side really add?
- ▶ What warranty comes with the panel?
- ▶ What size and weight should I plan for on the mounting?

Official Source & Documentation

This technical datasheet is derived from official manufacturer documentation provided by **Jinko Solar Co., Ltd.**. For the latest specifications, firmware updates, and official documentation, visit the manufacturer's website.

- **Manufacturer Website:** www.jinkosolar.com
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Disclaimer: All specifications and technical data presented on this page are based on the official Jinko Solar JKM625/JKM630/JKM635/JKM640/JKM645/JKM650N-78HL4-BDV-F10 datasheet published by Jinko Solar Co., Ltd. Specifications are subject to change without notice. Always verify against the latest manufacturer documentation at jinkosolar.com before system design, procurement, or installation. Compliance with local regulations, grid codes (DEWA, ADDC, SEWA) and utility requirements in UAE is the responsibility of the system designer/installer.

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