

Jinko Solar JKM625/JKM630/JKM635/JKM640/JKM645/JKM650N-66HL4M-BDV-Z4C3

A dual-glass bifacial panel that also harvests the light bouncing off your roof or the ground, so the same square metres earn more.

Models Covered: JKM625N-66HL4M-BDV-Z4C3, JKM630N-66HL4M-BDV-Z4C3, JKM635N-66HL4M-BDV-Z4C3, JKM640N-66HL4M-BDV-Z4C3, JKM645N-66HL4M-BDV-Z4C3, JKM650N-66HL4M-BDV-Z4C3

Manufacturer: Jinko Solar Co., Ltd.

Application: A full-size dual-glass bifacial module built on N-type cells, made for commercial rooftops, carports and ground-mount plants rather than small domestic arrays. The clear rear pane turns light reflected off the surface below into extra production, so a pale membrane or light gravel pays back on every sunny day. Glass on both faces, an anodised aluminium frame and a sealed junction box keep it working through storms, heavy loads and salt-laden coastal air.

Technical Specifications

Parameter	JKM625N-66HL4M-BDV-Z4C3	JKM630N-66HL4M-BDV-Z4C3	JKM635N-66HL4M-BDV-Z4C3	JKM640N-66HL4M-BDV-Z4C3	JKM645N-66HL4M-BDV-Z4C3	JKM650N-66HL4M-BDV-Z4C3
PV String Input Data						
Maximum Power (Pmax)	625W	630W	635W	640W	645W	650W
Module Efficiency	23.1%	23.3%	23.5%	23.7%	23.9%	24.1%
Bifaciality	ϕVoc: 98±5 %, ϕIsc: 80±5 %, ϕPmax: 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					
Temperature Coefficient of Voc	—	—	-0.25 %/°C	-0.25 %/°C	—	—
Electrical / AC Output Data						
Current at Maximum Power (Impp)	15.29 A	15.36 A	15.43 A	15.50 A	15.57 A	15.64 A
Maximum System Voltage	1500 VDC (IEC)	1500 VDC (IEC)	—	—	—	4 V
Open Circuit Voltage (Voc)	49.28 V	49.48 V	49.68 V	49.88 V	50.08 V	50.28 V
Short Circuit Current (Isc)	16.14 A	16.20 A	16.26 A	16.32 A	16.38 A	16.44 A
Voltage at Maximum Power (Vmpp)	40.88 V	41.02 V	41.16 V	41.30 V	41.44 V	41.58 V

Parameter	JKM625N-66HL4M-BDV-Z4C3	JKM630N-66HL4M-BDV-Z4C3	JKM635N-66HL4M-BDV-Z4C3	JKM640N-66HL4M-BDV-Z4C3	JKM645N-66HL4M-BDV-Z4C3	JKM650N-66HL4M-BDV-Z4C3
Protection Features						
Maximum Series Fuse Rating	35 A					
Junction Box	IP68 Rated					
Fire Rating	Class C	—	—	—	—	1400±1 mm
Protection Class	Class II					
Mechanical Data						
Back Glass	2.0 mm, Heat Strengthened Glass	2.0 mm, Heat Strengthened Glass	2.0 mm, Heat Strengthened Glass	2.0 mm, Heat Strengthened Glass	—	1134±2
Connector Type	JK03M / JK03M2 / Others*					
Dimensions (W×H×D)	2382×1134×30 mm					
Frame Material	Anodized Aluminium Alloy					
Front Glass	2.0 mm, Anti-reflection Coating	2.0 mm, Anti-reflection Coating	2.0 mm, Anti-reflection Coating	2.0 mm, Anti-reflection Coating	—	mm
Number of Cells	132 (66×2)	132 (66×2)	—	—	—	—
Weight	32.4 kg					
Output Cable	4.0 mm2					
Packing Detail	36 pcs/pallets, 72 pcs/stack,					
Pallet Dimensions	2396×1110×1251mm					
Operating Conditions						
Operating Temperature	-40 °C +70 °C					

Note: Specifications are based on the official Jinko Solar JKM625/JKM630/JKM635/JKM640/JKM645/JKM650N-66HL4M-BDV-Z4C3 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

- **Both faces generate:** The clear rear glass collects light bounced up off the roof or ground, output a one-sided panel simply loses.
- **Glass front and back:** Two 2 mm panes in an anodised aluminium frame, certified to 5400 Pa of downward load and 2400 Pa of uplift.
- **N-type cells:** Tunnel-oxide passivated contacts give up less output in the first year and keep working in dull, early-morning light.
- **Made for hard sites:** Tested against salt mist, ammonia and blown sand, with an anti-PID guarantee and an IP68 junction box.

Frequently Asked Questions

- ▶ How much extra does the back of the panel really produce?
- ▶ What warranty comes with it?
- ▶ What size and weight should I plan the mounting for?

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
- **Technical Support:** sales@jinko-solar.ae | +971 4 255 0887
- **Sales Inquiries:** sales@jinko-solar.ae | +971 4 255 0887

Disclaimer: All specifications and technical data presented on this page are based on the official Jinko Solar JKM625/JKM630/JKM635/JKM640/JKM645/JKM650N-66HL4M-BDV-Z4C3 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.

Last Updated: 2026-08-20 | **Document Version:** 2.0 | **Data Source:** Jinko Solar Official Datasheet | **Published by:** Jinko Solar Panels (jinko-solar.ae)