

Jinko Solar JKM645/JKM650/JKM655/JKM660/JKM665/JKM670N-66QL6-BDX-SafetyKing-F2

A dual-glass N-type bifacial module that harvests light on both faces, so every row of the array turns more of the day into usable power.

Models Covered: JKM645N-66QL6-BDX-SafetyKing-F2, JKM650N-66QL6-BDX-SafetyKing-F2, JKM655N-66QL6-BDX-SafetyKing-F2, JKM660N-66QL6-BDX-SafetyKing-F2, JKM665N-66QL6-BDX-SafetyKing-F2, JKM670N-66QL6-BDX-SafetyKing-F2

Manufacturer: Jinko Solar Co., Ltd.

Application: Built on Jinko's N-type TOPCon cells and sealed between two 2.5 mm sheets of glass, this bifacial module also collects the light bouncing off the ground or roof beneath it, adding roughly a tenth again to what the front face alone delivers. It belongs on ground-mounted plants, carports and flat commercial roofs where that reflected light is real. A Class A fire rating, 55 mm hail testing and 7000 Pa front-load certification keep it earning through weather that stops lesser panels.

Technical Specifications

Parameter	JKM645N-66QL6-BDX-SafetyKing-F2	JKM650N-66QL6-BDX-SafetyKing-F2	JKM655N-66QL6-BDX-SafetyKing-F2	JKM660N-66QL6-BDX-SafetyKing-F2	JKM665N-66QL6-BDX-SafetyKing-F2	JKM670N-66QL6-BDX-SafetyKing-F2
PV String Input Data						
Maximum Power (Pmax)	645W	650W	655W	660W	665W	670W
Module Efficiency	23.88%	24.06%	24.25%	24.43%	24.62%	24.80%
Bifaciality	85 ± 5%					
Cell Technology	N- type Mono-crystalline					
Power Output Tolerance	—	—	0 ~ +3 %	0 ~ +3 %	—	6% – 66%
Temperature Coefficient of Isc	—	—	0.046 %/°C	0.046 %/°C	—	—
Temperature Coefficient of Pmax	-0.26 %/°C					
Temperature Coefficient of Voc	—	—	-0.24 %/°C	-0.24 %/°C	—	—
Electrical / AC Output Data						
Current at Maximum Power (Impp)	15.20 A	15.27 A	15.34 A	15.43 A	15.52 A	15.61 A
Maximum System Voltage	1500 VDC (IEC)	1500 VDC (IEC)	—	—	—	6 400W/m ² V
Open Circuit Voltage (Voc)	50.08 V	50.26 V	50.44 V	50.50 V	50.55 V	50.60 V
Short Circuit Current (Isc)	15.92 A	15.98 A	16.04 A	16.14 A	16.24 A	16.34 A
Voltage at Maximum Power (Vmpp)	42.44 V	42.57 V	42.70 V	42.78 V	42.85 V	42.92 V

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Protection Features						
Maximum Series Fuse Rating	35 A					
Junction Box	IP68 Rated					
Fire Rating	Class A	—	—	—	—	1400±1 mm
Protection Class	Class II					
Mechanical Data						
Back Glass	2.5 mm, Heat Strengthened Glass	2.5 mm, Heat Strengthened Glass	2.5 mm, Heat Strengthened Glass	2.5 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	2.5 mm, Anti-reflection Coating	2.5 mm, Anti-reflection Coating	2.5 mm, Anti-reflection Coating	2.5 mm, Anti-reflection Coating	—	mm
Number of Cells	264 (66×4)					
Weight	40.5 kg					
Output Cable	≥4.0 mm2 (+): 500 mm , (-): 400 mm or Customized Length					
Pallet Dimensions	2442×1140×1251mm					

Note: Specifications are based on the official Jinko Solar JKM645/JKM650/JKM655/JKM660/JKM665/JKM670N-66QL6-BDX-SafetyKing-F2 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 rear side works at 85% of the front's output, turning light reflected off the surface below into extra kilowatt-hours.
- **Holds up in the heat:** Output falls only 0.26% per degree above test temperature, and the module is rated to run from -40 to +70 degrees.
- **Top fire classification:** Carries a Class A IEC fire type test report, the highest rating the standard awards.
- **Built for hail and wind:** Tested against 55 mm hailstones and certified to 7000 Pa of front-side and 5000 Pa of rear-side load.

Frequently Asked Questions

- ▶ How much extra energy does the bifacial back side actually give?
- ▶ What warranty comes with the panel?
- ▶ What are the dimensions and weight for 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 JKM645/JKM650/JKM655/JKM660/JKM665/JKM670N-66QL6-BDX-SafetyKing-F2 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)