

Jinko Solar JKM450/JKM455/JKM460/JKM465/JKM470/JKM475N-48HL4M-DV-Z4

A compact dual-glass rooftop panel that turns weak light into real output and keeps doing it through heat, salt air and hard winters.

Models Covered: JKM450N-48HL4M-DV-Z4, JKM455N-48HL4M-DV-Z4, JKM460N-48HL4M-DV-Z4, JKM465N-48HL4M-DV-Z4, JKM470N-48HL4M-DV-Z4, JKM475N-48HL4M-DV-Z4

Manufacturer: Jinko Solar Co., Ltd.

Application: A small-format N-type module for pitched roofs, carports and light commercial arrays, where full-size utility panels are simply too big to lay out. Glass front and back over an anodised aluminium frame lets it carry heavy snow above and strong uplift below, and it is tested against the salt mist and ammonia that shorten panel life on coastal and farm sites. It works from the front face only, and is warranted to still deliver 87.4% of its rated output in year 30.

Technical Specifications

Parameter	JKM450N-48HL4M-DV-Z4	JKM455N-48HL4M-DV-Z4	JKM460N-48HL4M-DV-Z4	JKM465N-48HL4M-DV-Z4	JKM470N-48HL4M-DV-Z4
PV String Input Data					
Maximum Power (Pmax)	450W	455W	460W	465W	470W
Module Efficiency	22.52%	22.77%	23.02%	23.27%	23.52%
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)	14.98 A	15.03 A	15.08 A	15.13 A	15.18 A
Maximum System Voltage	1500 VDC (IEC)				
Open Circuit Voltage (Voc)	35.91 V	36.08 V	36.25 V	36.42 V	36.59 V
Short Circuit Current (Isc)	15.73 A	15.78 A	15.83 A	15.88 A	15.93 A

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Voltage at Maximum Power (Vmpp)	30.04 V	30.28 V	30.51 V	30.74 V	30.97 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/JK03M2/Others*	JK03M/JK03M2/Others*	JK03M/JK03M2/Others*	—	—
Dimensions (W×H×D)	1762×1134×30 mm				
Frame Material	Anodized Aluminium Alloy				
Front Glass	2.0 mm, Anti-reflection Coating				
Number of Cells	96 (48×2)				
Weight	24.0 kg				
Output Cable	4.0 mm2				
Packing Detail	37 pcs/pallets, 74 pcs/stack,				
Pallet Dimensions	1792×1140×1249 mm				
Operating Conditions					

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Operating Temperature	-40 °C ~ +70 °C				

Note: Specifications are based on the official Jinko Solar JKM450/JKM455/JKM460/JKM465/JKM470/JKM475N-48HL4M-DV-Z4 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

- More from every hour of light:** N-type cells and multi-busbar current collection pull usable output from dawn, dusk and overcast skies.
- Glass on both faces:** Certified to hold 6,000 Pa of load pressing on the front and 4,000 Pa lifting from behind.
- Made for punishing sites:** Runs from -40°C to +70°C and is tested against salt mist and ammonia for coastal and farm roofs.
- Still working in thirty years:** Anti-PID cells and a linear power warranty that holds 87.4% of rated output in year 30.

Frequently Asked Questions

- ▶ Does this panel produce power from the back as well?
- ▶ 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
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Disclaimer: All specifications and technical data presented on this page are based on the official Jinko Solar JKM450/JKM455/JKM460/JKM465/JKM470/JKM475N-48HL4M-DV-Z4 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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