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Cologne, 2026-06-24

Declaration of recommendation – Hail impact resistance

Project no. 300103545

Manufacturer: Jinko Solar Co., Ltd.

Product: PV-module
Type: **JKMxxxN-48QL6-DX**

Test specification: Recommendation/classification for Hail Withstand Class acc. to Nr. 25 "Photovoltaic Modules" – v1.03 (2016-11-01) and accompanying requirements
with their validity on the date of issue of this document

Herewith we declare that the photovoltaic module **JKMxxxN-48QL6-DX** (in all its available power classes) is recommended for:

Hail resistance class 4 (HRC/HW4).

The specific evaluation and valid dimensions/designs can be seen on the following page/s. For detailed description of testing see report DE26R5X3 001 (2026-06-24).

Business Field Solar & Commercial Products

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Signiert von: Juergen Sommer

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Results of report DE26R5X3 001:

Final evaluation (recommendation of testing laboratory)			
In four-eyes principle; by	J. Sommer	U. Fritzsche	—
The acceptance of recommendation and final classification is part of FER (Fachkommission Elementarschutzregister)			
Properties of component	Evaluation of hail withstand		
Water tightness	---		
Visual nature / look	HW4		
Mechanics	HW4		
Transmittance	---		
Opacity	---		
Supplementary information: -			

Also covered types:

Others - The result of the tested sample is also applicable to:
<i>Main Type</i>
<ul style="list-style-type: none"> • JKMxxxN-48QL6-DX tested type <ul style="list-style-type: none"> ○ power classes 465 - 490 W (192 cells) ○ glass package (2.5 + 2.0 mm) ○ cells (mono / ¼-cut) ○ frame color (black or silver) ○ backside glazing (white) ○ encapsulation color (transparent) ○ frame thickness (30 mm) ○ maximum system voltage (1500 V_{DC}) ○ dimension (1762 x 1134 mm)
The recommendation “ HW4 ” is applicable to the various power ranges of above listed main types and endings.