

CERTIFICATE

Issued to:

Applicant:

Jinko Solar Co., Ltd.

No.1 Yingbin Road, Economic Development Zone
334100 Shangrao City Jiangxi, China

Licensee:

Jinko Solar Co., Ltd.

No.1 Yingbin Road, Economic Development Zone
334100 Shangrao City Jiangxi, China

Product : Photovoltaic Module shipping unit
Trade name(s) : Jinko
Type(s)/model(s) : Double-walled packaging-01, Double-walled packaging-02,
Five Layers-Girth Card-01, Five Layers-Girth Card-02,
Five Layers-Girth Card-03, Five Layers-Girth Card-04,
Five Layers-Girth Card-05, Five Layers-Girth Card-06,
Five Layers-Girth Card-07, Five Layers-Girth Card-08,
Five Layers-Girth Card-09, Five Layers-Girth Card-10,
Five Layers-Girth Card-11, Five Layers-Girth Card-12 and
Five Layers-Girth Card-13

The product and any acceptable variation thereof as specified in the Annex to this certificate and the documents referred to therein.

DEKRA hereby declares that the above-mentioned product has been certified based on:

- an evaluation according to the standard(s) IEC 62759-1:2022, IEC 61215-1:2021,
IEC 61215-1-1:2021, IEC 61215-2:2021, IEC 61730-1:2023 and IEC 61730-2:2023
- a periodic surveillance
- a DEKRA certification agreement with the number 6063744

DEKRA hereby grants the right to use the DEKRA Seal certification mark with the following content:

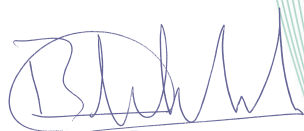
Category : Photovoltaic
Keyword : Module Tested
Keyword : Transportation Stress
Keyword : Periodic Factory Inspection

The DEKRA Seal certification mark may be applied to the product or documentation as specified in this certificate for the duration and under the conditions of the DEKRA Seal certification agreement.

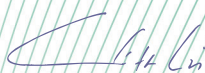
This certificate is issued on 19 March 2025 and expires at the latest on 28 March 2028.

Certificate number: 31-128033 REV.6

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



Cliff Lin
Certification Manager

© Integral publication of this certificate is allowed



31-128033

SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Photovoltaic Module shipping unit
Trade name(s)	: Jinko
Type(s)/model(s)	: Double-walled packaging-01, Double-walled packaging-02, Five Layers-Girth Card-01, Five Layers-Girth Card-02, Five Layers-Girth Card-03, Five Layers-Girth Card-04, Five Layers-Girth Card-05, Five Layers-Girth Card-06, Five Layers-Girth Card-07, Five Layers-Girth Card-08, Five Layers-Girth Card-09, Five Layers-Girth Card-10, Five Layers-Girth Card-11, Five Layers-Girth Card-12 and Five Layers-Girth Card-13

Product data – type Double-walled packaging-01

Main parts	: Plywood/ FIVE LAYERS PAPER/ THREE LAYERS PAPER/ PET
Dimension of carton box	: 2338mm*1140mm*(1251*2)mm/2395mm*1140mm*(1251*2)mm
Gross weight (Shipping unit with PV modules)	: (1174 kg/1246 kg/1415.2 kg)*2
Net weight (Shipping unit without PV modules)	: (58 kg)*2
Number of PV modules	: 36*2
Placement of PV modules	: Placed in vertical
Dimension of module	: 2278mm*1134mm*35/30mm 2335mm*1134mm*35/30mm
Suitable PV modules	: JKMxxxN-72HL4-BDV (xxx=480-610, in steps of 5,144cells) JKMxxxN-72HL4-BDX (xxx=480-610, in steps of 5,144cells) JKMxxxN-72HL4-BDV-J (xxx=480-610, in steps of 5,144 cells) JKMxxxN-72HL4-BDV-U (xxx=480-610, in steps of 5,144 cells) JKMxxxN-72HL4R-BDV (xxx=480-610, in steps of 5,144 cells)

Product data – type Double-walled packaging-02

Main parts	: Plywood/ FIVE LAYERS PAPER/ THREE LAYERS PAPER/ PET
Dimension of carton box	: 2525mm*1140mm*(1251*2)mm/2585mm*1140mm*(1251*2)mm
Gross weight (Shipping unit with PV modules)	: (1286 kg/1304 kg)*2
Net weight (Shipping unit without PV modules)	: (62kg)*2
Number of PV modules	: 36*2
Placement of PV modules	: Placed in vertical
Dimension of module	: 2465mm*1134mm*35/30mm 2525mm*1134mm*35/30mm
Suitable PV modules	: JKMxxxN-78HL4-BDV (xxx=570-665, in steps of 5,156 cells) JKMxxxN-78HL4-BDV-J (xxx=570-665, in steps of 5,156 cells) JKMxxxN-78HL4R-BDV (xxx=570-665, in steps of 5,156 cells)

Product data – type Five Layers-Girth Card-01

Main parts	: Plywood/ FIVE LAYERS PAPER/ THREE LAYERS PAPER/ PET
Dimension of carton box	: 1792mm*1120mm*1249mm/ 1822mm*1140mm*1249mm

Gross weight (Shipping unit with PV modules)	: 831 kg/ 837 kg/ 921 kg
Net weight (Shipping unit without PV modules)	: 39 kg / 45kg
Number of PV modules	: 36
Placement of PV modules	: Placed in vertical
Dimension of module	: 1762mm*1134mm*30mm
Suitable PV modules	: JKMxxxN-54HL4R (xxx=365-460, in steps of 5,108 cells) JKMxxxN-54HL4R-V (xxx=365-460, in steps of 5,108 cells) JKMxxxN-54HL4R-BDV (xxx=360-460, in steps of 5,108 cells) JKMxxxN-54HL4R-BDB (xxx=360-460, in steps of 5,108 cells) JKMxxxN-54HL4R-DB (xxx=360-460, in steps of 5,108 cells)

Product data – type Five Layers-Girth Card-02

Main parts	: Plywood/ FIVE LAYERS PAPER/ THREE LAYERS PAPER/ PET
Dimension of carton box	: 1752mm*1120mm*1249mm; 1782mm*1140mm*1249mm
Gross weight (Shipping unit with PV modules)	: 831kg / 837kg
Net weight (Shipping unit without PV modules)	: 39kg/ 45kg
Number of PV modules	: 36
Placement of PV modules	: Placed in vertical
Dimension of module	: 1722mm*1134mm*30mm
Suitable PV modules	: JKMxxxN-54HL4 (xxx=365-455, in steps of 5,108 cells) JKMxxxN-54HL4-V (xxx=365-455, in steps of 5,108 cells) JKMxxxM-54HL4 (xxx=360-430, in steps of 5,108 cells) JKMxxxN-54HL4-BDV (xxx=360-455, in steps of 5,108 cells) JKMxxxM-54HL4-BDVP (xxx=375-410, in steps of 5,108 cells) JKMxxxM-54HL4-V (xxx=360-430, in steps of 5,108 cells)

Product data – type Five Layers-Girth Card-03

Main parts	: Plywood/ FIVE LAYERS PAPER/ THREE LAYERS PAPER/ PET
Dimension of carton box	: 2396mm*1120mm*1249mm/ 2442mm*1140 mm*1251mm
Gross weight (Shipping unit with PV modules)	: 1220.4 kg/1456.8kg
Net weight (Shipping unit without PV modules)	: 54kg/60kg
Number of PV modules	: 36
Placement of PV modules	: Placed in vertical
Dimension of module	: 2382mm*1134mm*30mm
Suitable PV modules	: JKMxxxN-66HL4M-BDV (xxx=590-650, in steps of 5,132 cells) JKMxxxN-66HL4M-BDX (xxx=590-650, in steps of 5,132 cells) JKMxxxN-72HL4U-BDV(xxx=590-610, in steps of 5,144 cells)

Product data – type Five Layers-Girth Card-04

Main parts	: Plywood/ FIVE LAYERS PAPER/ THREE LAYERS PAPER/ PET
Dimension of carton box	: 2338mm*1140mm*1251mm/2395mm*1140mm*1251mm/
Gross weight (Shipping unit with PV modules)	: 1174 kg/1246 kg/1415.2 kg
Net weight (Shipping unit without PV modules)	: 58 kg
Number of PV modules	: 36

Placement of PV modules	: Placed in vertical
Dimension of module	: 2278mm*1134mm*35/30mm 2335mm*1134mm*35/30mm
Suitable PV modules	: JKMxxxN-72HL4-BDV (xxx=480-610, in steps of 5,144cells) JKMxxxN-72HL4-BDV-J (xxx=480-610, in steps of 5,144 cells) JKMxxxN-72HL4-BDV-U (xxx=480-610, in steps of 5,144 cells) JKMxxxN-72HL4R-BDV (xxx=480-610, in steps of 5,144 cells) JKMxxxN-72HL4-BDX (xxx=480-610, in steps of 5,144cells)

Product data – type Five Layers-Girth Card-05

Main parts	: Plywood/ FIVE LAYERS PAPER/ THREE LAYERS PAPER/ PET
Dimension of carton box	: 2525mm*1140mm*1251mm/2585mm*1140mm*1251mm/
Gross weight (Shipping unit with PV modules)	: 1286 kg/1304 kg
Net weight (Shipping unit without PV modules)	: 62kg
Number of PV modules	: 36
Placement of PV modules	: Placed in vertical
Dimension of module	: 2465mm*1134mm*35/30mm 2525mm*1134mm*35/30mm
Suitable PV modules	: JKMxxxN-78HL4-BDV (xxx=570-665, in steps of 5,156 cells) JKMxxxN-78HL4-BDV-J (xxx=570-665, in steps of 5,156 cells) JKMxxxN-78HL4R-BDV (xxx=570-665, in steps of 5,156 cells)

Product data – type Five Layers-Girth Card-06

Main parts	: Plywood/ FIVE LAYERS PAPER/ THREE LAYERS PAPER/ PET
Dimension of carton box	: 2396mm*1120mm*1251mm
Gross weight (Shipping unit with PV modules)	: 928.2 kg
Net weight (Shipping unit without PV modules)	: 54kg
Number of PV modules	: 31
Placement of PV modules	: Placed in vertical
Dimension of module	: 2382mm*1134mm*35/30mm
Suitable PV modules	: JKMxxxN-66HL4M-V (xxx=600-640, in steps of 5,156 cells) JKMxxxN-66HL4M (xxx=600-640, in steps of 5,156 cells)

Product data – type Five Layers-Girth Card-07

Main parts	: Plywood/ FIVE LAYERS PAPER/ THREE LAYERS PAPER/ PET
Dimension of carton box	: 2444mm*1145mm*1415mm
Gross weight (Shipping unit with PV modules)	: 1311.2 kg
Net weight (Shipping unit without PV modules)	: 73.7kg
Number of PV modules	: 33
Placement of PV modules	: Placed in vertical
Dimension of module	: 2384mm*1303mm*33mm
Suitable PV modules	: JKMxxxN-66HL5-BDV (xxx=625-730, in steps of 5,132 cells)

Product data – type Five Layers-Girth Card-08

Main parts	: Plywood/ FIVE LAYERS PAPER/ THREE LAYERS PAPER/ PET
Dimension of carton box	: 1792mm*1140mm*1249mm
Gross weight (Shipping unit with PV modules)	: 945.5kg/927kg
Net weight (Shipping unit without PV modules)	: 39kg
Number of PV modules	: 37
Placement of PV modules	: Placed in vertical
Dimension of module	: 1762mm*1134mm*30mm
Suitable PV modules	: JKMxxxN-54HL4R-BDV (xxx=360-460, in steps of 5, 108 cells) JKMxxxN-54HL4R-BDB (xxx=360-460, in steps of 5, 108 cells) JKMxxxN-54HL4R-DB (xxx=360-460, in steps of 5, 108 cells)

Product data – type Five Layers-Girth Card-09

Main parts	: Plywood/ FIVE LAYERS PAPER/ THREE LAYERS PAPER/ PET
Dimension of carton box	: 2495mm x 1140mm x 1249mm
Gross weight (Shipping unit with PV modules)	: 1146 kg
Net weight (Shipping unit without PV modules)	: 54.5 kg
Number of PV modules	: 37
Placement of PV modules	: Placed in vertical
Dimension of module	: 2465mm x 1134mm x 30mm
Suitable PV modules	: JKMxxxN-78HL4-V (xxx=570-650, in steps of 5, 156 cells) JKMxxxN-78HL4-V-J (xxx=570-650, in steps of 5, 156 cells) JKMxxxN-78HL4 (xxx=570-650, in steps of 5, 156 cells) JKMxxxN-78HL4-J (xxx=570-650, in steps of 5, 156 cells)

Product data – type Five Layers-Girth Card-10

Main parts	: Plywood/ FIVE LAYERS PAPER/ THREE LAYERS PAPER/ PET
Dimension of carton box	: 2308mm x 1140mm x 1249mm
Gross weight (Shipping unit with PV modules)	: 1049 kg
Net weight (Shipping unit without PV modules)	: 50 kg
Number of PV modules	: 37
Placement of PV modules	: Placed in vertical
Dimension of module	: 2278mm x 1134mm x 30mm
Suitable PV modules	: JKMxxxN-72HL4-V (xxx=485-625, in steps of 5, 144 cells) JKMxxxN-72HL4-V-J (xxx=485-625, in steps of 5, 144 cells) JKBWxxxN-72HL4-V (xxx=485-625, in steps of 5, 144 cells) JKMxxxN-72HL4-V-L (xxx=485-625, in steps of 5, 144 cells) JKMxxxN-72HL4 (xxx=485-625, in steps of 5, 144 cells) JKMxxxN-72HL4-J (xxx=485-625, in steps of 5, 144 cells) JKBWxxxN-72HL4 (xxx=485-625, in steps of 5, 144 cells) JKMxxxN-72HL4-L (xxx=485-625, in steps of 5, 144 cells)

Product data – type Five Layers-Girth Card-11

Main parts	: Plywood/ FIVE LAYERS PAPER/ THREE LAYERS PAPER/ PET
Dimension of carton box	: 1933mm x 1140mm x 1249mm

Gross weight (Shipping unit with PV modules)	: 875.5 kg
Net weight (Shipping unit without PV modules)	: 43 kg
Number of PV modules	: 37
Placement of PV modules	: Placed in vertical
Dimension of module	: 1903mm x 1134mm x 30mm
Suitable PV modules	: JKMxxxN-60HL4-V (xxx=405-520, in steps of 5, 120 cells) JKMxxxN-60HL4-V-J (xxx=405-520, in steps of 5, 120 cells) JKMxxxN-60HL4-V-L (xxx=405-520, in steps of 5, 120 cells) JKMxxxN-60HL4 (xxx=405-520, in steps of 5, 120 cells) JKMxxxN-60HL4-J (xxx=405-520, in steps of 5, 120 cells) JKMxxxN-60HL4-L (xxx=405-520, in steps of 5, 120 cells)

Product data – type Five Layers-Girth Card-12

Main parts	: Plywood/ FIVE LAYERS PAPER/ THREE LAYERS PAPER/ PET
Dimension of carton box	: 1752mm x 1140mm x 1249mm/1792mm x 1140mm x 1249mm
Gross weight (Shipping unit with PV modules)	: 816 kg
Net weight (Shipping unit without PV modules)	: 39 kg
Number of PV modules	: 37
Placement of PV modules	: Placed in vertical
Dimension of module	: 1762mm x 1134mm x 30mm 1722mm x 1134mm x 30mm
Suitable PV modules	: JKMxxxN-54HL4-V (xxx=365-460, in steps of 5, 108 cells) JKMxxxN-54HL4 (xxx=365-460, in steps of 5, 108 cells) JKMxxxN-54HL4R-V (xxx=365-460, in steps of 5, 108 cells) JKMxxxN-54HL4R (xxx=365-460, in steps of 5, 108 cells) JKMxxxN-54HL4R-B (xxx=380-460, in steps of 5, 108 cells)

Product data – type Five Layers-Girth Card-13

Main parts	: Plywood/ FIVE LAYERS PAPER/ THREE LAYERS PAPER/ PET
Dimension of carton box	: 1792mm x 1140mm x 1249mm/1981mm x 1140mm x 1249mm
Gross weight (Shipping unit with PV modules)	: 927kg / 1042kg
Net weight (Shipping unit without PV modules)	: 39kg /43kg
Number of PV modules	: 37
Placement of PV modules	: Placed in vertical
Dimension of module	: 1762mm*1134mm*30mm /1961mm*1134mm*30mm
Suitable PV modules	: JKMxxxN-48HL4M-DB (xxx=440-470, in steps of 5,96 cells) JKMxxxN-48HL4M-DV (xxx=440-470, in steps of 5,96 cells) JKMxxxN-48HL4M-BDV (xxx=440-470, in steps of 5,96 cells) JKMxxxN-54HL4M-BDV (xxx=495-530, in steps of 5,108 cells)

TESTS

Test requirements

IEC 62759-1:2022
IEC 61215-1:2021
IEC 61215-1-1:2021
IEC 61215-2:2021

IEC 61730-1:2023
IEC 61730-2:2023

Test result

The test results are documented in DEKRA test file 620547000.

Additional information

This certificate only refers to the tested shipping unit not to the PV module.

This certificate replaces certificate No. 31-128033 REV.5 which we hereby declare invalid.

The list of components is laid down in test report 6205470A.50.

Conclusion

The examination has confirmed that all requirements were met.

Factory locations

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314416 Haining City, Jiaxing City Zhejiang, China

Yuhuan Jinko solar Co., Ltd.
No.691 Hongtai Road, Qinggang Town
317600 Yuhuan City Zhejiang, China

Jinko Solar (U.S.) Industries Inc.
4660 Pow-Mia Memorial Parkway, Suite 200
Jacksonville FL 32221, United States of America

Jinko Solar Technology Sdn. Bhd.
Lot 393, Ladang Valdor, Kawasan Perindustrian Valdor
14200 Sungai Jawi, Pulau Pinang, Malaysia

Jinko Solar (Haining) Co., Ltd.
No.199, Xinyue Road, Huangwan Town
314415 Haining City Zhejiang, China

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271000 Tai'an City Shandong, China



Trade name(s): Jinko stands for

Unique Identifier

The DEKRA Seal has been updated with a modern look. This certificate exclusively features the new seal, which must be used for all new certifications going forward. Please ensure this version is used consistently for all future certifications to maintain a clearer and more contemporary representation.

