

# CERTIFICATE

**TÜV NORD CERT GmbH**  
herewith declares that

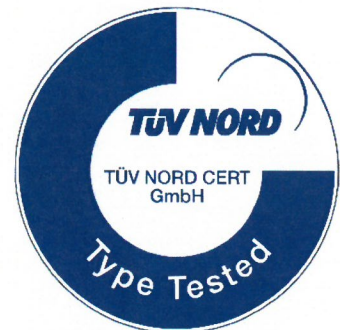
**Jinko Solar Co., Ltd.**

No.1, Jinko Road, Shangrao Economic Development Zone  
Shangrao City, Jiangxi Province, 334100  
P.R. China

is authorized to provide the product mentioned below with the mark as illustrated:

**Description of product (details see Annex 2):**

**Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**



Valid from: 2022-01-06

Valid until: 2026-09-28

Certification program:	P12-VA-01 Rev. 17 09.20
Certification fundamental(s):	P12.4-AA-02 Rev. 00 (IEC TS 62804-1:2015 modified)
Remark:	Test temperature: 85°C; Relative humidity: 85%; Test duration: 96 hours.
Registered No.:	44 780 20 406749 - 024R8A8M11
Manufacturer:	see Annex 1
Test Report No.:	492011192.015
File No.:	PVP07103/21P



**TÜV NORD CERT GmbH**  
**Certification Body**  
**Consumer Products**



Essen, 2022-01-06

Please also pay attention to the information stated overleaf.

**Manufacturer:**

Manufacturer 1: **Jinko Solar Co., Ltd.**  
No.1, Jinko Road, Shangrao Economic Development Zone  
Shangrao City, Jiangxi Province, 334100, P.R. China  
Factory inspection report no.: 862010818.009

Manufacturer 2: **Zhejiang Jinko Solar Co., Ltd.**  
No. 58, Yuan Xi Road, Yuan Hua Town,  
Haining City, Jiaxing City, Zhejiang, 314416, P. R. China  
Factory inspection report no.: 862010206.009

Manufacturer 3: **Jinko Solar Technology Sdn Bhd.**  
2481, Tingkat Perusahaan 4A, Kawasan Perusahaan Bebas Perai  
13600, Perai, Penang, Malaysia  
Factory inspection report no.: 862010278.006

Manufacturer 4: **Zhejiang Jinko Solar Co., Ltd.**  
No.35 Haishi Road, Jianshan New District  
Haining City, Zhejiang Province. 314415, P.R. China  
Factory inspection report no.: 862010305.006

Manufacturer 5: **Jinko Solar Technology Sdn Bhd. (P2)**  
2522, Lorong Perusahaan 4, Kawasan Perusahaan Bebas Perai, Phase 1,  
13600, Perai, Penang  
Factory inspection report no.: 862010306.005

Manufacturer 6: **Jinko Solar Technology Sdn Bhd. (P3)**  
Lot 10085, Plot C & D, Jalan Perusahaan, Mukim 1, Seberang Perai  
Tengah, 13600 Perai, Penang  
Factory inspection report no.: 862010307.005

Manufacturer 7: **Vina Solar Technology Co., Ltd.**  
E12 factory, lot CN-03, Van Trung Industrial park  
21000 Bac Giang Province, Vietnam  
Factory inspection report no.: 862010318.005



**TÜV NORD CERT GmbH**  
**Certification Body**  
**Consumer Products**

Manufacturer 8: **Yuhuan Jinko solar Co., Ltd.**  
At the Intersection of Shanghai Road and Taizhou Road in the Third Issue  
of Yuhuan Economic Development Zone  
Taizhou City, Zhejiang Province, 317600, P. R. China  
Factory inspection report no.: 862010340.005

Manufacturer 9: **Jinko Solar Co., Ltd. (fifth factory)**  
NO.1 YingBin Road, Shangrao Economic Development Zone  
Jiangxi Province, 334100, P. R. China  
Factory inspection report no.: 862010380.004

Manufacturer 10: **Jinko Solar Technology Sdn. Bhd. (P5)**  
Plot 538 Tingkat Perusahaan 4B, Perai Free Trade Zone  
13600 Perai, Penang, Malaysia  
Factory inspection report no.: 862010416.003

Manufacturer 11: **Jinko Solar Technology Sdn Bhd. (P6)**  
2480 Tingkat Perusahaan, Enam Perai Free Trade Zone  
13600 Perai, Penang, Malaysia  
Factory inspection report no.: 862010417.003

Manufacturer 12: **HTSOLAR VIETNAM LIMITED COMPANY**  
Factory F3-1 and F3-2, Lot F3, Trang Due Industrial park, a part of Dinh  
Vu-Cat Hai economic zone, Hong phong commune, An Duong District,  
Haiphong city, Vietnam  
Factory inspection report no.: 862010420.003

Manufacturer 13: **Jinko Solar (U.S.) Industries Inc.**  
4660 Pow-Mia Memorial Parkway, Suite 200  
Jacksonville, FL, 32221, USA  
Factory inspection report no.: 862010440.003

Manufacturer 14: **Jinko Solar Technology (Haining) Co., Ltd.**  
No. 89 Lianhong Road, Yuanhua Town, Haining City  
Zhejiang Province, P.R. China  
Factory inspection report no.: 862010467.002



**TÜV NORD CERT GmbH**  
Certification Body  
Consumer Products

Manufacturer 15: **Jinko Solar (Yiwu) Co., Ltd.**  
1555# Chengxin Road, Niansanli street  
Yiwu city, Zhejiang Province, P.R. China

Factory inspection report no.: 862010488.002

Manufacturer 16: **Jinko Solar (Chuzhou) Co., Ltd.**  
No. 18 Liming Road, Lai'an Economic Development Zone  
Chuzhou City, Anhui Province, P.R. China

Factory inspection report no.: 862010491.002

Manufacturer 17: **Jinko Solar (Shangrao) Co., Ltd.**  
No.1, Yingbin Road, Economic Development Zone, Shangrao City,  
Jiangxi Province, 334100, P.R. China

Factory inspection report no.: 862010534.001

Remark:

Factory inspection is mandatory to be performed annually. Please refer to factory inspection report for detailed information.



**TÜV NORD CERT GmbH**  
Certification Body  
Consumer Products

**Description of product(s):**

Module types:

**Double Glass PV Modules with 6" Poly-crystalline Silicon Solar Cells**

72 cells: JKMxxxPP-72-DV(xxx=250-350, with increments of 5W)

72 cells: JKMSxxxPP-72-DV(xxx=250-350, with increments of 5W)

72 cells: JKMxxxPP-72-DV-J(xxx=250-350, with increments of 5W)

72 cells: JKMSxxxPP-72-DV-J(xxx=250-350, with increments of 5W)

72 cells: JKMxxxPP-72-DV-F(xxx=250-350, with increments of 5W)

72 cells: JKMxxxPP-72-J4DV(xxx=250-350, with increments of 5W)

60 cells: JKMxxxPP-60-DV(xxx=210-290, with increments of 5W)

60 cells: JKMSxxxPP-60-DV(xxx=210-290, with increments of 5W)

60 cells: JKMxxxPP-60-DV-J(xxx=210-290, with increments of 5W)

60 cells: JKMSxxxPP-60-DV-J(xxx=210-290, with increments of 5W)

60 cells: JKMxxxPP-60-DV-F(xxx=210-290, with increments of 5W)

60 cells: JKMxxxPP-60-J4DV(xxx=210-290, with increments of 5W)

Maximum system voltage:

1500V

Fuse rating:

15A or 20A or 25A

Application class:

Class A

Electrical protection class:

Class II

Module types:

**Double Glass PV Modules with 6" Poly-crystalline Silicon Half-cut Solar Cells**

144 half-cut cells: JKMxxxPP-72H-DV(xxx=250-350, with increments of 5W)

144 half-cut cells: JKMxxxPP-72H-J4DV(xxx=250-350, with increments of 5W)

120 half-cut cells: JKMxxxPP-60H-DV(xxx=210-290, with increments of 5W)

120 half-cut cells: JKMxxxPP-60H-J4DV(xxx=210-290, with increments of 5W)

Maximum system voltage:

1500V

Fuse rating:

15A or 20A or 25A

Application class:

Class A

Electrical protection class:

Class II

Module types:

**Double Glass PV Modules with 6" Mono-crystalline Silicon Solar Cells**

72 cells: JKMxxxM-72-DV(xxx=250-420, with increments of 5W)



**TÜV NORD CERT GmbH**  
Certification Body  
Consumer Products

72 cells: JKMxxxM-72-DV-J (xxx=250-420, with increments of 5W)  
72 cells: JKMSxxxM-72-DV(xxx=250-420, with increments of 5W)  
72 cells: JKMSxxxM-72-DV-J(xxx=250-420, with increments of 5W)  
72 cells: JKMSxxxM-72-DV-TI(xxx=250-420, with increments of 5W)  
72 cells: JKMxxxM-72-BDV(xxx=300-420, with increments of 5W)  
72 cells: JKMxxxM-72L-BDV(xxx=375-405, with increments of 5W)  
72 cells: JKMxxxM-72-BDVP(xxx=315-420, with increments of 5W)  
72 cells: JKMxxxM-72L-BDVP(xxx=370-410, with increments of 5W)  
60 cells: JKMxxxM-60-DV(xxx=210-350, with increments of 5W)  
60 cells: JKMxxxM-60-DV-J(xxx=210-350, with increments of 5W)  
60 cells: JKMSxxxM-60-DV(xxx=210-350, with increments of 5W)  
60 cells: JKMSxxxM-60-DV-J(xxx=210-350, with increments of 5W)  
60 cells: JKMSxxxM-60-DV-TI(xxx=210-350, with increments of 5W)  
60 cells: JKMxxxM-60-BDV(xxx=250-350, with increments of 5W)  
60 cells: JKMxxxM-60L-BDV(xxx=310-335, with increments of 5W)  
60 cells: JKMxxxM-60-BDVP(xxx=260-350, with increments of 5W)  
60 cells: JKMxxxM-60L-BDVP(xxx=305-340, with increments of 5W)  
60 cells: MMxxx-60LA-MGV(xxx=210-350, with increments of 5W)  
60 cells: SMMxxx-60LA-MGV-TI(xxx=210-350, with increments of 5W)

Maximum system voltage: 1500V  
Fuse rating: 15A or 20A or 25A  
Application class: Class A  
Electrical protection class: Class II

Module types:

**Double Glass PV Modules with 6" Mono-crystalline Silicon Half-cut Solar Cells**

156 half-cut cells: JKSN3-DDCA-xxx(xxx=400-440, with increments of 5W)  
156 half-cut cells: JKSM3-DDCA-xxx(xxx=400-450, with increments of 5W)  
156 half-cut cells: JKMxxxM-78H-BDVP(xxx=415-455, with increments of 5W)  
156 half-cut cells: JKMxxxN-78H-BDV(xxx=415-460, with increments of 5W)  
156 half-cut cells: JKMxxxM-7RL3-BDVP(xxx=440-465, with increments of 5W)  
156 half-cut cells: JKMxxxM-7RL3-BDVP-J(xxx=440-465, with increments of 5W)



**TÜV NORD CERT GmbH**  
Certification Body  
Consumer Products

- 156 half-cut cells: JKMxxxN-7RL3-BDV(xxx=440-490, with increments of 5W)
- 156 half-cut cells: JKMxxxM-78HL3-BDVP(xxx=430-485, with increments of 5W)
- 156 half-cut cells: JKMxxxM-78HL3-MBB-BDVP(xxx=430-485, with increments of 5W)
- 144 half-cut cells: JKMxxxM-72H-BDV(xxx=300-420, with increments of 5W)
- 144 half-cut cells: JKMxxxM-72HL-BDV(xxx=390-410, with increments of 5W)
- 144 half-cut cells: JKMxxxM-72H-BDVP(xxx=375-430, with increments of 5W)
- 144 half-cut cells: JKMxxxM-72HL-BDVP(xxx=375-430, with increments of 5W)
- 144 half-cut cells: JKMxxxM-72H-DV(xxx=250-420, with increments of 5W)
- 144 half-cut cells: JKMxxxM-72H-MBB-BDV(xxx=390-420, with increments of 5W)
- 144 half-cut cells: JKMxxxN-72H-MBB-BDV(xxx=370-445, with increments of 5W)
- 144 half-cut cells: JKMxxxM-72H-MBB-BDVP(xxx=370-440, with increments of 5W)
- 144 half-cut cells: JKMxxxN-72H-MBB-BDV(xxx=390-415, with increments of 5W)
- 144 half-cut cells: JKMxxxM-72HLM-BDVP(xxx=400-460, with increments of 5W)
- 144 half-cut cells: JKMSxxxM-72H-DV-TI(xxx=250-420, with increments of 5W)
- 144 half-cut cells: MMxxx-72HLA-MGV(xxx=250-420, with increments of 5W)
- 144 half-cut cells: SMMxxx-72HLA-MGV-TI(xxx=250-420, with increments of 5W)
- 132 half-cut cells: JKSN3-CDCA-xxx(xxx=340-370, with increments of 5W)
- 132 half-cut cells: JKSM3-CDCA-xxx(xxx=340-380, with increments of 5W)
- 132 half-cut cells: JKMxxxM-66H-BDVP(xxx=350-385, with increments of 5W)
- 132 half-cut cells: JKMxxxN-66H-BDV(xxx=350-385, with increments of 5W)
- 132 half-cut cells: JKMxxxM-6RL3-BDVP(xxx=375-390, with increments of 5W)
- 132 half-cut cells: JKMxxxM-6RL3-BDVP-J (xxx=375-390, with increments of 5W)



TÜV NORD CERT GmbH  
Certification Body  
Consumer Products

132 half-cut cells: JKMxxxN-6RL3-BDV(xxx=375-410, with increments of 5W)

132 half-cut cells: JKMxxxM-66HL3-BDVP(xxx=365-410, with increments of 5W)

132 half-cut cells: JKMxxxM-66HL3-MBB-BDVP(xxx=365-410, with increments of 5W)

120 half-cut cells: JKMxxxM-60H-BDV(xxx=250-350, with increments of 5W)

120 half-cut cells: JKMxxxM-60HL-BDV(xxx=325-340, with increments of 5W)

120 half-cut cells: JKMxxxM-60H-BDVP(xxx=310-355, with increments of 5W)

120 half-cut cells: JKMxxxM-60HL-BDVP(xxx=310-355, with increments of 5W)

120 half-cut cells: JKMxxxM-60H-DV(xxx=210-350, with increments of 5W)

120 half-cut cells: JKMxxxM-60H-MBB-BDV(xxx=330-350, with increments of 5W)

120 half-cut cells: JKMxxxN-60H-MBB-BDV(xxx=310-370, with increments of 5W)

120 half-cut cells: JKMxxxM-60H-MBB-BDVP(xxx=310-365, with increments of 5W)

120 half-cut cells: JKMxxxM-60HLM-BDVP(xxx=335-380, with increments of 5W)

120 half-cut cells: JKMSxxxM-60H-DV-TI(xxx=210-350, with increments of 5W)

120 half-cut cells: MMxxx-60HLA-MGV(xxx=210-350, with increments of 5W)

120 half-cut cells: SMMxxx-60HLA-MGV-TI(xxx=210-350, with increments of 5W)

Maximum system voltage: 1500V  
Fuse rating: 15A or 20A or 25A  
Application class: Class A  
Electrical protection class: Class II

Module types: **Double Glass PV Modules with 7" Mono-crystalline Silicon Half-cut Solar Cells**

156 half-cut cells: JKMxxxN-7RL4-BDV(xxx=500-605, with increments of 5W)

156 half-cut cells: JKMxxxN-7RL4-BDV-J (xxx=500-595, with increments of 5W)

156 half-cut cells: JKMxxxM-7RL4-BDVP(xxx=490-595, with increments of 5W)



**TÜV NORD CERT GmbH**  
Certification Body  
Consumer Products



- 156 half-cut cells: JKMxxxM-7RL4-BDVP-J(xxx=490-595, with increments of 5W)
- 156 half-cut cells: JKMxxxN-78HL4-BDV (xxx=570-615, with increments of 5W)
- 144 half-cut cells: JKMxxxN-7TL4-BDV(xxx=465-555, with increments of 5W)
- 144 half-cut cells: J7rKMxxxN-7TL4-BDV-J (xxx=465-555, with increments of 5W)
- 144 half-cut cells: JKMxxxM-7TL4-BDVP(xxx=460-545, with increments of 5W)
- 144 half-cut cells: JKMxxxM-7TL4-BDVP-J(xxx=460-545, with increments of 5W)
- 144 half-cut cells: JKMxxxM-72HL4-BDVP(xxx=460-550, with increments of 5W)
- 144 half-cut cells: JKMxxxM-72HL4-BDVP-J(xxx=460-550, with increments of 5W)
- 144 half-cut cells: JKMxxxN-72HL4-BDV(xxx=460-565, with increments of 5W)
- 144 half-cut cells: JKMxxxN-72HL4-BDV-J (xxx=460-565, with increments of 5W)
- 132 half-cut cells: JKMxxxM-66HL4-BDVP(xxx=425-500, with increments of 5W)
- 132 half-cut cells: JKMxxxM-6RL4-BDVP(xxx=425-500, with increments of 5W)
- 132 half-cut cells: JKMxxxN-66HL4-BDV(xxx=425-520, with increments of 5W)
- 132 half-cut cells: JKMxxxN-6RL4-BDV(xxx=425-510, with increments of 5W)
- 120 half-cut cells: JKMxxxM-60HL4-BDVP(xxx=385-455, with increments of 5W)
- 120 half-cut cells: JKMxxxN-60HL4-BDV(xxx=385-470, with increments of 5W)
- 120 half-cut cells: JKMxxxM-6TL4-BDVP(xxx=385-455, with increments of 5W)
- 120 half-cut cells: JKMxxxN-6TL4-BDV(xxx=385-465, with increments of 5W)
- 108 half-cut cells: JKMxxxM-54HL4-BDVP(xxx=345-450, with increments of 5W)
- 108 half-cut cells: JKMxxxN-54HL4-BDV(xxx=345-425, with increments of 5W)
- 108 half-cut cells: JKMxxxM-5RL4-BDVP(xxx=345-410, with increments of 5W)
- 108 half-cut cells: JKMxxxN-5RL4-BDV(xxx=350-415, with increments of 5W)



**TÜV NORD CERT GmbH**  
Certification Body  
Consumer Products

Maximum system voltage:	1500V
Fuse rating:	25A or 30A
Application class:	Class A
Electrical protection class:	Class II

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) attached to test report 492011192.015.

A handwritten signature in blue ink, appearing to read "Rogner".

**TÜV NORD CERT GmbH**  
**Certification Body**  
**Consumer Products**