

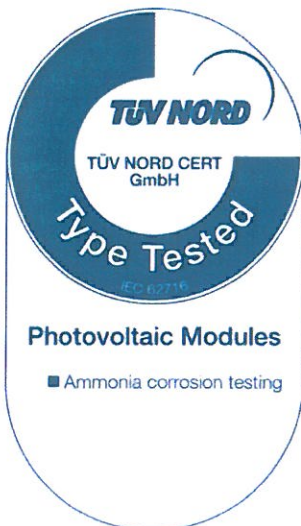
CERTIFICATE

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):

PV Modules with 6" Mono-crystalline Silicon Solar Cells

PV Modules with 6" Poly-crystalline Silicon Solar Cells

PV Modules with 6" Mono-crystalline Silicon Half Cut Solar Cells

PV Modules with 6" Poly-crystalline Silicon Half Cut Solar Cells

Valid until: 2024-04-09

Tested according to: IEC 62716:2013 / EN 62716:2013 + AC:2014.
Registered No.: 44 780 19 406749 - 284
Manufacturer: see Annex 1
Test Report No.: 492010636.023
File No.: SHV04074/19-08



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Essen, 2019-09-02

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.: 862010818.007
- Manufacturer 2: **Zhejiang Jinko Solar Co., Ltd.**
Yuan Xi Road, Technical Functional Zone, Yuan Hua Town
Haining City, Zhejiang Province, 314416, P. R. China
- Factory inspection report no.: 862010206.007
- Manufacturer 3: **Jinko Solar Technology Sdn Bhd**
2481, Tingkat Perusahaan 4A, Kawasan Perusahaan Bebas Perai, 13600
Perai, Penang, Malaysia
- Factory inspection report no.: 862010278.004
- 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.: 862010305.004
- Manufacturer 5: **Jinko Solar Technology Sdn Bhd**
2522, Lorong Perusahaan 4, Kawasan Perusahaan Bebas Perai, Phase 1
13600 Perai, Penang
- Factory inspection report no.: 862010306.003
- Manufacturer 6: **Jinko Solar Technology Sdn Bhd**
Lot 10085, Plot C & D, Jalan Perusahaan, Mukim 1, Seberang Perai
Tengah, 13600 Prai, Penang
- Factory inspection report no.: 862010307.003
- 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.: 862010318.003



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.: 862010340.003

Manufacturer 9: **Jiangsu Jinko Day sheng Solar Co., Ltd.**
No.228 Yuesheng North Road Industry center, Fanshui Town
Baoying County, Yangzhou City, Jiangsu Province, P. R. China
Factory inspection report no.: 862010372.002

Manufacturer 10: **Jinko Solar Co., Ltd. (fifth factory)**
NO.1 YingBin Road, Shangrao Economic Development Zone
Jiangxi Province, 334100, P. R. China
Factory inspection report no.: 862010380.002

Manufacturer 11: **Jiangsu Hong De Technology Development Co., Ltd.**
Tianshan Industrial Concentration Zone
Gaoyou City, Jiangsu Province, P. R. China
Factory inspection report no.: 862010396.002

Manufacturer 12: **Laiwu Kelin Solar Power Co., Ltd.**
Room 101, No. 7, Zhenxing Road, Laiwu Economic Development Zone
Shandong Province, 271100, P. R. China
Factory inspection report no.: 862010389.002

Manufacturer 13: **Tangshan Haitai New Energy Technology Co., Ltd.**
Yutai Industrial Zone, Yutian, Tangshan City
Hebei Province, 064100, P. R. China
Factory inspection report no.: 862010337.003

Manufacturer 14: **Jinko Solar (U.S.) Industries Inc.**
4660 Pow-Mia Memorial Parkway, Suite 200, Jacksonville, FL, 32221,
USA.
Factory inspection report no.: 862010440.001



Manufacturer 15: **Xuzhou Jiayu Solar Energy Technology Co., Ltd.**
North of Peigong Road, East of Hankang Road Peixian Economic
Development Zone
Xuzhou City, Jiangsu Province, 221000, P. R. China
Factory inspection report no.: 862010371.002

Manufacturer 16: **Green Intelligent Photovoltaic Nantong Co., Ltd.**
No. 1, Haiyue Road, Sutong Science and Technology Industrial Park
Nantong City, Jiangsu Province, 226000, P. R. China
Factory inspection report no.: 862010404.001

Manufacturer 17: **LDK SOLAR HI-TECH (NANCHANG) CO., LTD.**
NO.1699, Tianxiang Avenue High-tech Zone
Nanchang City, Jiangxi Province, P. R. China
Factory inspection report no.: 862010405.001

Manufacturer 18: **GK Solar Power Corp., Ltd.**
No. 1, Nanyue Road, Economic Development Zone, Yiyuan Country
Zibo City, Shandong Province, 256100, P. R. China
Factory inspection report no.: 862010407.001

Manufacturer 19: **GS PV Holdings Group**
No. 28, Changkang Road Wuhaqiao Industrial Park Mashan
Wuxi City, Jiangsu Province, 214000, P. R. China
Factory inspection report no.: 862010411.001

Manufacturer 20: **Jiangsu Focus New Energy Technology Co., Ltd.**
No. 66, Lifa Avenue Development Zone, Hai'an County
Nantong City, Jiangsu Province, 226600, P. R. China
Factory inspection report no.: 862010410.001

Manufacturer 21: **Nantong Qiangsheng Photovoltaic Technology Co., Ltd.**
North Side, Jia Ling Jiang Road, Rudong Economic Development Zone
Rudong County, Nantong City, Jiangsu Province, 226400, P. R. China
Factory inspection report no.: 862010419.001



- Manufacturer 22: **Jinko Solar Technology Sdn Bhd.**
Plot 538 Tingkat Perusahaan 4B, Perai Free Trade Zone,
13600 Perai, Penang Malaysia
Factory inspection report no.: 862010416.001
- Manufacturer 23: **Jinko Solar Technology Sdn Bhd.**
2480 Tingkat Perusahaan, Enam Perai Free Trade Zone,
13600 Perai, Penang, Malaysia
Factory inspection report no.: 862010417.001
- Manufacturer 24: **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.: 862010420.001
- Manufacturer 25: **Zhejiang Kingdom Solar Energy Technic Co., Ltd.**
No. 1199, Huifeng South Road, Jiangnan Development Area
Linhai City, Zhejiang Province, 317000, P. R. China
Factory inspection report no.: 862010421.001
- Manufacturer 26: **GuangDong FiveStar Solar Energy Co., Ltd.**
No.1, the 1st Industry Zone Road, Liuchongwei, Wanjiang District
Dongguan City, Guangdong Province, 523051, P. R. China
Factory inspection report no.: 862010424.001
- Manufacturer 27: **VENERGY SOLAR INDUSTRY COMPANY LIMITED**
Lot CN7-01, Binh Xuyen II Industrial Park, Binh Xuyen District
Vinh Phuc Province , Vietnam
Factory inspection report no.: 862010422.001
- Manufacturer 28: **Tongwei Solar (HEFEI) CO., LTD.**
No.888, Changning Road, High-tech District
Hefei City, Anhui Province, P. R. China
Factory inspection report no.: 862010358.002



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Manufacturer 29: **Hunan Red Solar New Energy Science and Technology Co., Ltd.**

No.1025, Xinkaipu Road, Tianxin District
Changsha City, Hunan Province, 410111, P. R. China

Factory inspection report no.: 862010313.003

Manufacturer 30: **VIETNAM GREEN ENERGY TECHNOLOGY COMPANY LIMITED**

No. 6, TS3 Road, Tien Son Industrial Zone, Hoan Son Commune, Tien Du District, Bac Ninh Province, Vietnam

Factory inspection report no.: 862010423.001

Manufacturer 31: **Anhui Zhenxing Photovoltaic New Energy Co., Ltd.**

Pingqiao Industrial Zone, Yu An District
Lu An City, Anhui Province, 237000, P. R. China

Factory inspection report no.: 862010425.001

Manufacturer 32: **Nantong Peng Neng Industrial Co., Ltd.**

Two groups of Jinqiao village, Cha He Town
Rudong County, Jiangsu Province, 226400, P.R. China

Factory inspection report no.: 862010433.001

Remark:

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



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Description of product(s):

Module types:

PV Modules with 6" Mono-crystalline Silicon Solar Cells:

72 cells: JKMxxxM-72-V (xxx=250-420, with increments of 5);
72 cells: JKMxxxM-72-V-J (xxx=250-420, with increments of 5);
72 cells: JKMSxxxM-72-V (xxx=250-420, with increments of 5);
72 cells: JKMSxxxM-72-V-J (xxx=250-420, with increments of 5);
72 cells: JKMxxxM-72L-V (xxx=250-420, with increments of 5);
72 cells: JKMSxxxM-72-MX-V (xxx=250-420, with increments of 5);
72 cells: JKMSxxxM-72B-MX-V (xxx=250-420, with increments of 5);
72 cells: JKMSxxxM-72(Plus)-MX-V (xxx=250-420, with increments of 5);
72 cells: JKMSxxxM-72-V-MX3 (xxx=335-395, with increments of 5);
72 cells: JKMSxxxM-72B-V-MX3 (xxx=335-395, with increments of 5);
72 cells: JKMSxxxM-72L-V-MX3 (xxx=335-395, with increments of 5);
72 cells: JKMSxxxM-72BL-V-MX3 (xxx=335-395, with increments of 5);
72 cells: JKMxxxM-72(Plus)-V (xxx=335-410, with increments of 5);
60 cells: JKMxxxM-60-V (xxx=210-350, with increments of 5);
60 cells: JKMxxxM-60-V-J (xxx=210-350, with increments of 5);
60 cells: JKMSxxxM-60-V (xxx=210-350, with increments of 5);
60 cells: JKMSxxxM-60-V-J (xxx=210-350, with increments of 5);
60 cells: JKMxxxM-60L-V (xxx=210-350, with increments of 5);
60 cells: JKMSxxxM-60-MX-V (xxx=210-350, with increments of 5);
60 cells: JKMSxxxM-60B-MX-V (xxx=210-350, with increments of 5);
60 cells: JKMSxxxM-60(Plus)-MX-V (xxx=210-350, with increments of 5);
60 cells: JKMSxxxM-60-V-MX3 (xxx=270-340, with increments of 5);
60 cells: JKMSxxxM-60B-V-MX3 (xxx=270-340, with increments of 5);
60 cells: JKMSxxxM-60L-V-MX3 (xxx=270-340, with increments of 5);
60 cells: JKMSxxxM-60BL-V-MX3 (xxx=270-340, with increments of 5);
60 cells: JKMxxxM-60(Plus)-V (xxx=270-340, with increments of 5);

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

Module types:

PV Modules with 6" Poly-crystalline Silicon Solar Cells:

72 cells: JKMxxxPP-72-V (xxx=250-390, with increments of 5);
72 cells: JKMxxxPP-72-V-J (xxx=250-390, with increments of 5);
72 cells: JKMxxxPP-72-J4V (xxx=250-390, with increments of 5);



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72 cells: JKMSxxxP-72-V (xxx=250-390, with increments of 5);
72 cells: JKMSxxxP-72-V-J (xxx=250-390, with increments of 5);
72 cells: JKMSxxxP-72-V (xxx=250-390, with increments of 5);
72 cells: JKMSxxxP-72-V-J (xxx=250-390, with increments of 5);
72 cells: JKMSxxxPP-72-V (xxx=250-390, with increments of 5);
72 cells: JKMSxxxPP-72-V-J (xxx=250-390, with increments of 5);
72 cells: JKMSxxxPP-72-MX-V (xxx=250-390, with increments of 5);
72 cells: JKMSxxxPP-72B-MX-V (xxx=250-390, with increments of 5);
72 cells: JKMSxxxPP-72-J4-MX-V (xxx=250-390, with increments of 5);
72 cells: JKMSxxxPP-72B-J4-MX-V (xxx=250-390 with increments of 5);
72 cells: JKMSxxxPP-72(Plus)-MX-V (xxx=250-390, with increments of 5);
72 cells: JKMSxxxPP-72-W-MX-V (xxx=250-390, with increments of 5);
72 cells: JKMSxxxPP-72-V-MX3 (xxx=320-355, with increments of 5);
72 cells: JKMSxxxPP-72B-V-MX3 (xxx=320-355, with increments of 5);
72 cells: JKMSxxxPP-72L-V-MX3 (xxx=320-355, with increments of 5);
72 cells: JKMSxxxPP-72BL-V-MX3 (xxx=320-355, with increments of 5);
72 cells: JKMSxxxPP-72(Plus)-V (xxx=320-355, with increments of 5);
60 cells: JKMSxxxP-60-V (xxx=210-325, with increments of 5);
60 cells: JKMSxxxP-60-V-J (xxx=210-325 with increments of 5);
60 cells: JKMSxxxPP-60-V (xxx=210-325, with increments of 5);
60 cells: JKMSxxxPP-60-V-J (xxx=210-325, with increments of 5);
60 cells: JKMSxxxPP-60-J4V (xxx=210-325, with increments of 5);
60 cells: JKMSxxxP-60-V (xxx=210-325, with increments of 5);
60 cells: JKMSxxxP-60-V-J (xxx=210-325 with increments of 5);
60 cells: JKMSxxxPP-60-V (xxx=210-325, with increments of 5);
60 cells: JKMSxxxPP-60-V-J (xxx=210-325, with increments of 5);
60 cells: JKMSxxxPP-60-MX-V (xxx=210-325, with increments of 5);
60 cells: JKMSxxxPP-60B-MX-V (xxx=210-325, with increments of 5);
60 cells: JKMSxxxPP-60-J4-MX-V (xxx=210-325, with increments of 5);
60 cells: JKMSxxxPP-60B-J4-MX-V (xxx=210-325, with increments of 5);
60 cells: JKMSxxxPP-60(Plus)-MX-V (xxx=210-325, with increments of 5);
60 cells: JKMSxxxPP-60-W-MX-V (xxx=210-325, with increments of 5);
60 cells: JKMSxxxPP-60-V-MX3 (xxx=260-290, with increments of 5);
60 cells: JKMSxxxPP-60B-V-MX3 (xxx=260-290, with increments of 5);
60 cells: JKMSxxxPP-60L-V-MX3 (xxx=260-290, with increments of 5);
60 cells: JKMSxxxPP-60BL-V-MX3 (xxx=260-290, with increments of 5);
60 cells: JKMSxxxPP-60(Plus)-V (xxx=260-290, with increments of 5)

Maximum system voltage:

1500V



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Fuse rating: 20A
Application class: Class A
Electrical protection class: Class II

Module types:

PV Modules with 6" Mono-crystalline Silicon Half Cut Solar Cells:

144 cells: JKMxxxM-72H-V (xxx=250-420, with increments of 5);
144 cells: JKMxxxM-72HL-V (xxx=250-420, with increments of 5);
144 cells: JKMxxxM-72HB-V (xxx=250-420, with increments of 5);
144 cells: JKMxxxM-72HBL-V (xxx=250-420, with increments of 5);
144 cells: JKMxxxM-72H-TV (xxx=375-415, with increments of 5);
144 cells: JKMxxxM-72HL-TV (xxx=375-415, with increments of 5);
144 cells: JKMxxxN-72H-TV (xxx=375-415, with increments of 5);
144 cells: JKMxxxN-72HL-TV (xxx=375-415, with increments of 5);
144 cells: JKMxxxN-72H-MBB-TV (xxx=390-420, with increments of 5);
144 cells: JKMSxxxM-72H-V-MX3 (xxx=335-395, with increments of 5);
144 cells: JKMSxxxM-72HB-V-MX3 (xxx=335-395, with increments of 5);
144 cells: JKMSxxxM-72HL-V-MX3 (xxx=335-395, with increments of 5);
144 cells: JKMSxxxM-72HBL-V-MX3 (xxx=335-395, with increments of 5);
120 cells: JKMxxxM-60H-V (xxx=210-350, with increments of 5);
120 cells: JKMxxxM-60HL-V (xxx=210-350, with increments of 5);
120 cells: JKMxxxM-60HB-V (xxx=210-350, with increments of 5);
120 cells: JKMxxxM-60HBL-V (xxx=210-350, with increments of 5);
120 cells: JKMxxxM-60H-TV (xxx=300-340, with increments of 5);
120 cells: JKMxxxM-60HL-TV (xxx=300-340, with increments of 5);
120 cells: JKMxxxN-60H-TV (xxx=315-355, with increments of 5);
120 cells: JKMxxxN-60HL-TV (xxx=315-355, with increments of 5);
120 cells: JKMxxxN-60H-MBB-TV (xxx=330-350, with increments of 5);
120 cells: JKMSxxxM-60H-V-MX3 (xxx=270-340, with increments of 5);
120 cells: JKMSxxxM-60HB-V-MX3 (xxx=270-340, with increments of 5);
120 cells: JKMSxxxM-60HL-V-MX3 (xxx=270-340, with increments of 5);
120 cells: JKMSxxxM-60HBL-V-MX3 (xxx=270-340, with increments of 5);

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



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Module types:

PV Modules with 6" Poly-crystalline Silicon Half Cut Solar Cells:

- 144 cells: JKMxxxPP-72H-V (xxx=250-390, with increments of 5);
- 144 cells: JKMxxxPP-72HB-V (xxx=250-390, with increments of 5);
- 144 cells: JKMxxxPP-72H-J4V (xxx=250-390, with increments of 5);
- 144 cells: JKMSxxxPP-72H-V-MX3 (xxx=330-380, with increments of 5);
- 144 cells: JKMSxxxPP-72HB-V-MX3 (xxx=330-380, with increments of 5);
- 144 cells: JKMSxxxPP-72HL-V-MX3 (xxx=330-380, with increments of 5);
- 144 cells: JKMSxxxPP-72HBL-V-MX3 (xxx=330-380, with increments of 5);
- 120 cells: JKMxxxPP-60H-V (xxx=210-325, with increments of 5);
- 120 cells: JKMxxxPP-60HB-V (xxx=210-325 with increments of 5);
- 120 cells: JKMxxxPP-60H-J4V (xxx=210-325 with increments of 5);
- 120 cells: JKMSxxxPP-60H-V-MX3 (xxx=260-315, with increments of 5);
- 120 cells: JKMSxxxPP-60HB-V-MX3 (xxx=260-315, with increments of 5);
- 120 cells: JKMSxxxPP-60HL-V-MX3 (xxx=260-315, with increments of 5);
- 120 cells: JKMSxxxPP-60HBL-V-MX3 (xxx=260-315, with increments of 5)

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

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 1 of test report.



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