

CERTIFICATE

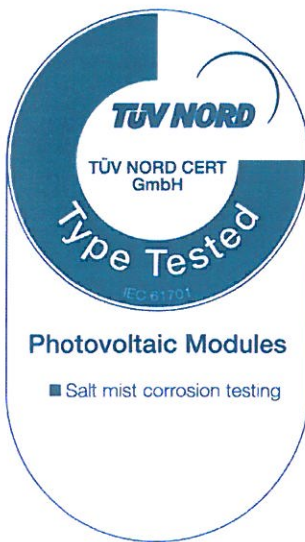


TÜV NORD CERT GmbH
herewith declares that

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

Tested according to: IEC 61701: 2011 Severity 6.
Remark: Max system voltage: 1500V.
Registered No.: 44 780 19 406749 - 189
Manufacturer: see Annex 1
Test Report No.: 492010637.021
File No.: SHV01014/19-01

Valid until: 2023-08-30

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Essen, 2019-07-03

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.:	862010206.006
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.:	862010305.003
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



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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.:	862010340.002
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



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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: **Jinzhai Huaxi Technology Co., Ltd.**
Intersection of Jinye Road and Beiwu Road, Modern Industrial Park
Jinzhai County, Lu'an City, Anhui Province, 237300, P. R. China

Factory inspection report no.: 862010403.001



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Manufacturer 19:	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 20:	ET SOLAR NEW ENERGY CO., LTD. No. 1 Yaojia Road, Jiulong Town, Hailing District Taizhou City, Jiangsu Province, 225300, P. R. China
Factory inspection report no.:	862010409.001
Manufacturer 21:	Jiangsu Xing Yao Amperex Technology Co., Ltd. West Side of Jingsan Road, South Side of Weisi Road, Xinghua Economic Development Zone Taizhou City, Jiangsu Province, 225775, P. R. China
Factory inspection report no.:	862010408.001
Manufacturer 22:	Run Rong Jiangsu Energy Technology Co., Ltd. No.127, Yabaodadao, Lingang Street Jiangyin City, Jiangsu Province, 214443, P. R. China
Factory inspection report no.:	862010412.001
Manufacturer 23:	GS PV Holdings Group No. 28, Changkang Road Wuhaoqiao Industrial Park Mashan Wuxi City, Jiangsu Province, 214000, P. R. China
Factory inspection report no.:	862010411.001
Manufacturer 24:	Suzhou Fermi Power Co., Ltd. No. 12 Changsheng RD, Xinzhuang Industrial Park Changshu City, Jiangsu Province, 215562, P. R. China
Factory inspection report no.:	862010316.003



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Manufacturer 25: **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 26: **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 27: **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 28: **Jinko Solar Technology Sdn Bhd.**
2480 Tingkat Perusahaan, Enam Perai Free Trade Zone,
13600 Perai, Penang, Malaysia
Factory inspection report no.: 862010417.001

Manufacturer 29: **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 30: **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



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Manufacturer 31: **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 32: **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 33: **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

Manufacturer 34: **Hunan Red Solar New Energy Science and Technology Co., Ltd.**
No.1025, Xinkai Road, Tianxin District
Changsha City, Hunan Province, 410111, P. R. China

Factory inspection report no.: 862010313.003

Manufacturer 35: **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 36: **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



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Manufacturer 37: **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.

A handwritten signature in blue ink, appearing to read "Roberto" or similar, written in a cursive style.

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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);
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)

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



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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);
60 cells: JKMxxxP-60-V (xxx=210-325, with increments of 5);
60 cells: JKMxxxP-60-V-J (xxx=210-325 with increments of 5);
60 cells: JKMxxxPP-60-V (xxx=210-325, with increments of 5);
60 cells: JKMxxxPP-60-V-J (xxx=210-325, with increments of 5);
60 cells: JKMxxxPP-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)

Maximum system voltage: 1500V
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)



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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)
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)

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 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);
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)

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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