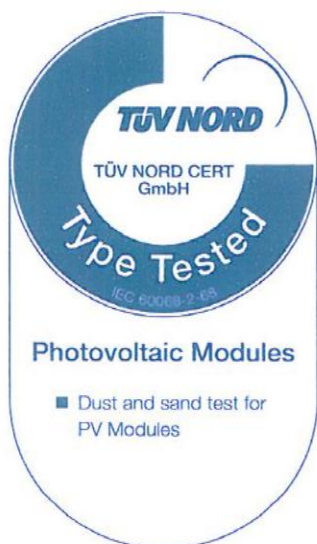


TÜV NORD CERT GmbH
herewith declares that

Shanghai JA Solar Technology Co., Ltd.
No. 118, Lane 3111, West Huangcheng Road
Fengxian District, Shanghai
201401, 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 5" Mono-crystalline Silicon Solar Cells

PV Modules with 6" Poly-crystalline Silicon Solar Cells

Tested according to: IEC 60068-2-68:1994 Method Lc2
Remark: Dust concentration: $5 \pm 0.5 \text{ g/m}^3$;
Wind velocity: $20 \pm 2 \text{ m/s}$;
Test duration: 4 hours
Registered No.: 44 780 17 406749 - 179
Manufacturer: see Annex 1
Test Report No.: 492010528.007
File No.: SHV07011/17-03

Valid until: 2019-10-09



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Certification Body
Consumer Products

Essen, 2017-09-15

Please also pay attention to the information stated overleaf.

Manufacturer:

Manufacturer 1: **Shanghai JA Solar Technology Co., Ltd.**
No. 118, Lane 3111, West Huancheng Road, Fengxian District
Shanghai 201401, P.R. China

Factory inspection report no.: 862010153.004

Manufacturer 2: **Hefei JA Solar Technology Co., Ltd.**
No. 999, Chang Ning Road, Hi-tech Zone, Hefei
230088, P.R. China

Factory inspection report no.: 862010241.003

Manufacturer 3: **JingAo Solar Co., Ltd.**
5th Jinglong Industrial Park, No. 123 Xinxing Road
Ningjin, Xingtai City, Hebei Province, 055550, P.R. China

Factory inspection report no.: 862010244.004

Manufacturer 4: **JA Solar (Xingtai) Co., Ltd.**
No. 1688, Chang An Road, Xingtai Economic Development Area
Xingtai City, Hebei Province, 054001, P.R. China

Factory inspection report no.: 862010290.002

Manufacturer 5: **Vina Solar Technology Co., Ltd.**
E12 factory, lot CN-03, Van Trung Industrial park,
21000 Bac Giang Province, Vietnam

Factory inspection report no.: 862010302.001

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: JAM6(L)-72- xxx (xxx=295-335, in steps of 5)
72 cells: JAM6-72- xxx/SI (xxx=285-325, in steps of 5)
72 cells: JAM6(R)-72-xxx (xxx=295-340, in steps of 5)
72 cells: JAM6(R)-72-xxx/PR (xxx=330-350, in steps of 5)
72 cells: JAM6-72-xxx/PR (xxx=325-345, in steps of 5)
72 cells: JAM6(L)-72-xxx/PR (xxx=325-345, in steps of 5)
72 cells: JAM6(K)-72-xxx/4BB (xxx=320-340, in steps of 5)
72 cells: JAM6(K)-72-xxx/PR (xxx=325-360, in steps of 5)
72 cells: JAM72S01-xxx/SC (xxx=320-340, in steps of 5)
72 cells: JAM72S01-xxx/PR (xxx=325-360, in steps of 5)
60 cells: JAM6(L)-60-xxx (xxx=255-280, in steps of 5)
60 cells: JAM6-60-xxx/SI (xxx=235-280, in steps of 5)
60 cells: JAM6(FA)-60-xxx/SI (xxx=255-275, in steps of 5)
60 cells: JAM6(R)(FA)-60-xxx (xxx=260-280, in steps of 5)
60 cells: JAM6(R)-60-xxx (xxx=255-280, in steps of 5)
60 cells: JAM6(R)-60-xxx/PR (xxx=280-300, in steps of 5)
60 cells: JAM6-60-xxx/PR (xxx=275-295, in steps of 5)
60 cells: JAM6(L)-60-xxx/PR (xxx=270-295, in steps of 5)
60 cells: JAM6(K)-60-xxx/4BB(xxx=265-285, in steps of 5)
60 cells: JAM6(K)-60-xxx/PR(xxx=275-305, in steps of 5)
60 cells: JAM60S01-xxx/SC (xxx=265-285, in steps of 5)
60 cells: JAM60S01-xxx/PR (xxx=275-305, in steps of 5)
48 cells: JAM6(FA)-48-xxx/SI (xxx=205-220, in steps of 5)
48 cells: JAM6(R)(FA)-48-xxx (xxx=210-225, in steps of 5)
48 cells: JAM6(R)-48-xxx/PR(xxx=220-235, in steps of 5)
48 cells: JAM6-48-xxx/PR(xxx=215-235, in steps of 5)
48 cells: JAM6(L)-48-xxx/PR(xxx=215-235, in steps of 5)
48 cells: JAM6(K)-48xxx/4BB(xxx=210-225, in steps of 5)
48 cells: JAM6(K)-48-xxx/PR(xxx=220-235, in steps of 5)

Maximum system voltage:

1000V

Fuse rating:

20A



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Application class: Class A

Electrical protection class: Class II

Module types:

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

72 cells: JAP6-72-xxx/3BB (xxx=250-330 in step of 5)
72 cells: JAP6-72-xxx/4BB (xxx=305-330 in step of 5)
72 cells: JAP6-72-xxx/RE (xxx=305-330 in step of 5)
72 cells: JAP6-72-xxx/4BB/RE (xxx=305-330 in step of 5)
72 cells: JAP6(K)-72-xxx/4BB (xxx=305-330 in step of 5)
72 cells: JAP72S01-xxx/SC (xxx=305-330 in step of 5)
72 cells: JAP72S01-xxx/PR (xxx=330-345, in steps of 5)
60 cells: JAP6-60-xxx/3BB (xxx=240-275 in step of 5)
60 cells: JAP6(FA)-60-xxx/3BB (xxx=250-270 in step of 5)
60 cells: JAP6-60-xxx/4BB (xxx=250-275 in step of 5)
60 cells: JAP6-60-xxx/RE (xxx=255-280 in step of 5)
60 cells: JAP6-60-xxx/4BB/RE (xxx=255-280 in step of 5)
60 cells: JAP6(K)-60-xxx/4BB (xxx=255-275 in step of 5)
60 cells: JAP60S01-xxx/SC (xxx=255-280 in step of 5)
60 cells: JAP60S01-xxx/PR (xxx=275-285, in steps of 5)
48 cells: JAP6(FA)-48-xxx/3BB (xxx=200-220 in step of 5)
48 cells: JAP6-48-xxx/3BB (xxx=200-220 in step of 5)

Maximum system voltage: 1000V

Fuse rating: 20A

Application class: Class A

Electrical protection class: Class II

Module types:

PV Modules with 5" Mono-crystalline Silicon Solar Cells:

72 cells: JAM5-72-xxx/SI (xxx=180-210, in steps of 5)
72 cells: JAM5(L)-72-xxx/SI (xxx=180-220, in steps of 5)
72 cells: JAM5(R)-72-xxx (xxx=195-220, in steps of 5)

Maximum system voltage: 1000V

Fuse rating: 10A

Application class: Class A



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Electrical protection class: Class II

Module types:

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

72 cells: JAM6(K)-72-xxx/PR/1500V (xxx=345-360, in steps of 5)
72 cells: JAM6(K)-72-xxx/4BB/1500V (xxx=320-340, in steps of 5)
72 cells: JAM72S01-xxx/PR (xxx=345-360, in steps of 5)
72 cells: JAM72S01-xxx/SC (xxx=320-340, in steps of 5)
60 cells: JAM6(K)-60-xxx/PR/1500V (xxx=285-305, in steps of 5)
60 cells: JAM6(K)-60-xxx/4BB/1500V (xxx=265-290, in steps of 5)
60 cells: JAM60S01-xxx/PR (xxx=285-305, in steps of 5)
60 cells: JAM60S01-xxx/SC (xxx=265-290, in steps 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: JAP6(K)-72-xxx/4BB/1500V (xxx=305-330, in steps of 5)
72 cells: JAP72S01-xxx/SC (xxx=305-330 in step of 5)
72 cells: JAP72S01-xxx/PR (xxx=330-345, in steps of 5)
60 cells: JAP6(K)-60-xxx/4BB/1500V (xxx=255-275, in steps of 5)
60 cells: JAP60S01-xxx/SC (xxx=255-280 in step of 5)
60 cells: JAP60S01-xxx/PR (xxx=275-285, in steps 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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