

CERTIFICATE

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
PV Modules with half-cut 6" Mono-crystalline Silicon Solar Cells
PV Modules with half-cut 7" Mono-crystalline Silicon Solar Cells
PV Modules with 1/3-cut 8" Mono-crystalline Silicon Solar Cells
PV Modules with half-cut 6" Poly-crystalline Silicon Solar Cells



Valid from: 2021-04-16

Valid until: 2024-05-13

Tested according to: P12.4-AA-04 Rev. 00
(IEC 60068-2-68:1994 modified)
Remark: Test Method Lc;
Dust concentration: $5 \pm 0.5 \text{g/m}^3$;
Wind velocity: $20 \pm 2 \text{m/s}$;
Test duration: 4 hours each side.
Registered No.: 44 780 20 406749 - 028R5A2M5
Manufacturer: see Annex 1
Test Report No.: 492010528.019
File No.: PVP11073/20P-03



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Essen, 2021-04-16

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.: 862010153.008

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.: 862010241.007

Manufacturer 3: **JA Solar Co., Ltd.**
Jinglong Street, Ningjin County, 055550 Xingtai, Hebei, P.R. China
Factory inspection report no.: 862010244.007

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.: 862010290.005

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.: 862010302.004

Manufacturer 6: **Philadelphia Solar LTD. CO**
Al Qastal Industrial Area, Air freight Road, 11814 Amman, Jordan
Factory inspection report no.: 862010431.002



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Manufacturer 7: **JA Solar New Energy Yangzhou Co., Ltd.**
No.1, Jianhua Road, Economic Development Zone
Yangzhou, Jiangsu Province, 225000, P.R. China

Factory inspection report no.: 862010496.001

Manufacturer 8 : **Yiwu JA Solar Technology Co., Ltd.**
165 Tongze Road, Yiting Town, Yiwu City,
Zhejiang Province, 322000, P.R. China.

Factory inspection report no.: 862010513.001

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):**System voltage: 1000V**

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=320-345, in steps of 5)
72 cells: JAM6(K)-72-xxx/PR (xxx=325-370, in steps of 5)
72 cells: JAM72S02-xxx/PR (xxx=325-390, in steps of 5)
72 cells: JAM72S01-xxx/PR/1000V (xxx=345-390, in steps of 5)
72 cells: JAM72S01-xxx/SC/1000V (xxx=320-365, in steps of 5)
72 cells: JAM72S01-xxx/MR/1000V (xxx=365-385, in steps of 5)
72 cells: JAM72S09-xxx/PR/1000V (xxx=370-405, in steps of 5)
72 cells: JAM72S09-xxx/BP/1000V (xxx=375-385, in steps of 5)
72 cells: JAM72S02-xxx/PR/1000V (xxx=345-390, in steps of 5)
72 cells: JAM72S02-xxx/SC/1000V (xxx=320-365, in steps of 5)
72 cells: JAM72S02-xxx/MR/1000V (xxx=365-385, in steps of 5)
72 cells: JAM72S12-xxx/PR/1000V (xxx=365-385, 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=275-310, in steps of 5)
60 cells: JAM60S02-xxx/PR (xxx=280-325, in steps of 5)
60 cells: JAM60S01-xxx/PR/1000V (xxx=285-325, in steps of 5)
60 cells: JAM60S01-xxx/SC/1000V (xxx=265-305, in steps of 5)
60 cells: JAM60S01-xxx/MR/1000V (xxx=305-320, in steps of 5)
60 cells: JAM60S09-xxx/PR/1000V (xxx=310-335, in steps of 5)
60 cells: JAM60S09-xxx/BP/1000V (xxx=315-320, in steps of 5)
60 cells: JAM60S02-xxx/PR/1000V (xxx=285-325, in steps of 5)
60 cells: JAM60S02-xxx/SC/1000V (xxx=265-305, in steps of 5)
60 cells: JAM60S02-xxx/MR/1000V (xxx=305-320, in steps of 5)



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60 cells: JAM60S12-xxx/PR/1000V (xxx=305-330, 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
Application class: Class A
Electrical protection class: Class II

Module types:

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

72 cells: JAM72S09-xxx/PR/1000V (xxx=370-405, in steps of 5)
72 cells: JAM72S12-xxx/PR/1000V (xxx=365-385, in steps of 5)
60 cells: JAM60S09-xxx/PR/1000V (xxx=310-335, in steps of 5)
60 cells: JAM60S12-xxx/PR/1000V (xxx=305-330, in steps of 5)

Maximum system voltage: 1000V
Fuse rating: 25A
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
Electrical protection class: Class II

Module types:

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

72 cells: JAM72S03-xxx/PR/1000V (xxx=360-395, in steps of 5)
72 cells: JAM72S10-xxx/PR/1000V (xxx=380-410, in steps of 5)
72 cells: JAM72S10-xxx/BP/1000V (xxx=385-400, in steps of 5)
72 cells: JAM72S10-xxx/MR/1000V (xxx=390-420, in steps of 5)



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72 cells: JAM72S10-xxx/MB/1000V (xxx=395-415, in steps of 5)
72 cells: JAM72S08-xxx/PR/1000V (xxx=360-395, in steps of 5)
72 cells: JAM72S17-xxx/PR/1000V (xxx=380-390, in steps of 5)
72 cells: JAM72S17-xxx/MR/1000V (xxx=390-395, in steps of 5)
60 cells: JAM60S03-xxx/PR/1000V (xxx=300-330, in steps of 5)
60 cells: JAM60S10-xxx/PR/1000V (xxx=315-345, in steps of 5)
60 cells: JAM60S10-xxx/BP/1000V (xxx=320-330, in steps of 5)
60 cells: JAM60S10-xxx/MR/1000V (xxx=325-345, in steps of 5)
60 cells: JAM60S10-xxx/MB/1000V (xxx=330-345, in steps of 5)
60 cells: JAM60S20-xxx/MR/1000V (xxx=355-390, in steps of 5)
60 cells: JAM60S21-xxx/MR/1000V (xxx=355-375, in steps of 5)
60 cells: JAM60S08-xxx/PR/1000V (xxx=300-330, in steps of 5)
60 cells: JAM60S17-xxx/PR/1000V (xxx=315-325, in steps of 5)
60 cells: JAM60S17-xxx/MR/1000V (xxx=315-335, in steps of 5)
78 cells: JAM78S10-xxx/MR/1000V (xxx=435-465, in steps of 5)
66 cells: JAM66S10-xxx/MR/1000V (xxx=345-390, in steps of 5)

Maximum system voltage: 1000V
Fuse rating: 20A
Application class: Class A
Electrical protection class: Class II

Module types:

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

72 cells: JAM72S10-xxx/PR/1000V (xxx=380-410, in steps of 5)
72 cells: JAM72S20-xxx/MR/1000V (xxx=430-470, in steps of 5)
72 cells: JAM72S17-xxx/PR/1000V (xxx=380-390, in steps of 5)
72 cells: JAM72S20-xxx/MB/1000V (xxx=450-465, in steps of 5)
60 cells: JAM60S20-xxx/MR/1000V (xxx=355-390, in steps of 5)
60 cells: JAM60S21-xxx/MR/1000V (xxx=355-375, in steps of 5)
60 cells: JAM60S10-xxx/PR/1000V (xxx=315-345, in steps of 5)
60 cells: JAM60S17-xxx/PR/1000V (xxx=315-325, in steps of 5)
60 cells: JAM60S20-xxx/MB/1000V (xxx=375-390, in steps of 5)

Maximum system voltage: 1000V
Fuse rating: 25A
Application class: Class A
Electrical protection class: Class II



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Module types: **PV Modules with half-cut 7" Mono-crystalline Silicon Solar Cells:**
60 cells: JAM60S30-xxx/MR/1000V (xxx=435-460, in steps of 5)
66 cells: JAM66S30-xxx/MR/1000V (xxx=470-505, in steps of 5)
72 cells: JAM72S30-xxx/MR/1000V (xxx=510-550, in steps of 5)
54 cells: JAM54S30-xxx/MR/1000V (xxx=390-415, in steps of 5)
72 cells: JAM72S31-xxx/MR/1000V (xxx=510-545, in steps of 5)
66 cells: JAM66S31-xxx/MR/1000V (xxx=470-500, in steps of 5)
60 cells: JAM60S31-xxx/MR/1000V (xxx=425-450, in steps of 5)
54 cells: JAM54S31-xxx/MR/1000V (xxx=385-405, in steps of 5)

Maximum system voltage: 1000V

Fuse rating: 25A

Application class: Class A

Electrical protection class: Class II

Module types: **PV Modules with 1/3-cut 8" Mono-crystalline Silicon Solar Cells:**
50 cells: JAM50S40-xxx/MR/1000V (xxx=490-500, in steps of 5)

Maximum system voltage: 1000V

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: JAP6-72-xxx/3BB (xxx=250-330, in steps of 5)
72 cells: JAP6-72-xxx/4BB (xxx=305-330, in steps of 5)
72 cells: JAP6-72-xxx/RE (xxx=305-330, in steps of 5)
72 cells: JAP6-72-xxx/4BB/RE (xxx=305-330, in steps of 5)
72 cells: JAP6(K)-72-xxx/4BB (xxx=310-330, in steps of 5)
72 cells: JAP72S01-xxx/SC/1000V (xxx=310-345, in steps of 5)
72 cells: JAP72S01-xxx/PR/1000V (xxx=330-345, in steps of 5)
72 cells: JAP72S09-xxx/SC/1000V (xxx=320-345, in steps of 5)
72 cells: JAP72S01-xxx/MS/1000V (xxx=325-340, in steps of 5)
72 cells: JAP72S02-xxx/SC/1000V (xxx=310-345, in steps of 5)
72 cells: JAP72S02-xxx/PR/1000V (xxx=330-345, in steps of 5)
60 cells: JAP6-60-xxx/3BB (xxx=240-275, in steps of 5)
60 cells: JAP6(FA)-60-xxx/3BB (xxx=250-270, in steps of 5)
60 cells: JAP6-60-xxx/4BB (xxx=250-275, in steps of 5)
60 cells: JAP6-60-xxx/RE (xxx=255-280, in steps of 5)
60 cells: JAP6-60-xxx/4BB/RE (xxx=255-280, in steps of 5)



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60 cells: JAP6(K)-60-xxx/4BB (xxx=255-275, in steps of 5)
60 cells: JAP60S01-xxx/SC/1000V (xxx=255-290, in steps of 5)
60 cells: JAP60S01-xxx/PR/1000V (xxx=275-285, in steps of 5)
60 cells: JAP60S09-xxx/SC/1000V (xxx=265-290, in steps of 5)
60 cells: JAP60S01-xxx/MS/1000V (xxx=270-280, in steps of 5)
60 cells: JAP60S02-xxx/SC/1000V (xxx=255-290, in steps of 5)
60 cells: JAP60S02-xxx/PR/1000V (xxx=275-285, in steps of 5)
54 cells: JAP54S01-xxx/SC (xxx=245-255, in steps of 5)
48 cells: JAP6(FA)-48-xxx/3BB (xxx=200-220, in steps of 5)
48 cells: JAP6-48-xxx/3BB (xxx=200-220, in steps of 5)

Maximum system voltage: 1000V
Fuse rating: 20A
Application class: Class A
Electrical protection class: Class II

Module types:

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

72 cells: JAP72S03-xxx/SC/1000V (xxx=320-345, in steps of 5)
72 cells: JAP72S03-xxx/PR/1000V (xxx=335-355, in steps of 5)
72 cells: JAP72S10-xxx/SC/1000V (xxx=335-350, in steps of 5)
72 cells: JAP72S03-xxx/MS/1000V (xxx=320-345, in steps of 5)
72 cells: JAP72S08-xxx/SC/1000V (xxx=320-345, in steps of 5)
72 cells: JAP72S08-xxx/PR/1000V (xxx=335-355, in steps of 5)
60 cells: JAP60S03-xxx/SC/1000V (xxx=270-290, in steps of 5)
60 cells: JAP60S03-xxx/PR/1000V (xxx=280-295, in steps of 5)
60 cells: JAP60S10-xxx/SC/1000V (xxx=275-290, in steps of 5)
60 cells: JAP60S03-xxx/MS/1000V (xxx=270-285, in steps of 5)
60 cells: JAP60S08-xxx/SC/1000V (xxx=270-290, in steps of 5)
60 cells: JAP60S08-xxx/PR/1000V (xxx=280-295, in steps of 5)

Maximum system voltage: 1000V
Fuse rating: 20A
Application class: Class A
Electrical protection class: Class II



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System voltage: 1500V

Module types:

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

72 cells: JAM6(K)-72-xxx/PR/1500V (xxx=345-370, in steps of 5)
72 cells: JAM6(K)-72-xxx/4BB/1500V (xxx=320-345, in steps of 5)
72 cells: JAM72S01-xxx/PR (xxx=345-390, in steps of 5)
72 cells: JAM72S01-xxx/SC/1500V (xxx=320-365, in steps of 5)
72 cells: JAM72S01-xxx/MR/1500V (xxx=365-385, in steps of 5)
72 cells: JAM72S09-xxx/PR/1500V (xxx=370-405, in steps of 5)
72 cells: JAM72S09-xxx/BP/1500V (xxx=375-385, in steps of 5)
72 cells: JAM72S02-xxx/PR/1500V (xxx=345-390, in steps of 5)
72 cells: JAM72S02-xxx/SC/1500V (xxx=320-365, in steps of 5)
72 cells: JAM72S02-xxx/MR/1500V (xxx=365-385, in steps of 5)
72 cells: JAM72S12-xxx/PR/1500V (xxx=365-385, in steps of 5)
60 cells: JAM6(K)-60-xxx/PR/1500V (xxx=285-310, in steps of 5)
60 cells: JAM6(K)-60-xxx/4BB/1500V (xxx=265-285, in steps of 5)
60 cells: JAM60S01-xxx/PR/1500V (xxx=285-325, in steps of 5)
60 cells: JAM60S01-xxx/SC/1500V (xxx=265-305, in steps of 5)
60 cells: JAM60S01-xxx/MR/1500V (xxx=305-320, in steps of 5)
60 cells: JAM60S09-xxx/PR/1500V (xxx=310-335, in steps of 5)
60 cells: JAM60S09-xxx/BP/1500V (xxx=315-320, in steps of 5)
60 cells: JAM60S02-xxx/PR/1500V (xxx=285-325, in steps of 5)
60 cells: JAM60S02-xxx/SC/1500V (xxx=265-305, in steps of 5)
60 cells: JAM60S02-xxx/MR/1500V (xxx=305-320, in steps of 5)
60 cells: JAM60S12-xxx/PR/1500V (xxx=305-330, 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" Mono-crystalline Silicon Solar Cells:

72 cells: JAM72S09-xxx/PR/1500V (xxx=370-405, in steps of 5)
72 cells: JAM72S12-xxx/PR/1500V (xxx=365-385, in steps of 5)
60 cells: JAM60S09-xxx/PR/1500V (xxx=310-335, in steps of 5)
60 cells: JAM60S12-xxx/PR/1500V (xxx=305-330, in steps of 5)

Maximum system voltage: 1500V

Fuse rating: 25A

Application class: Class A

Electrical protection class: Class II



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Module types:

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

72 cells: JAM72S03-xxx/PR/1500V (xxx=360-395, in steps of 5)
72 cells: JAM72S10-xxx/PR/1500V (xxx=380-410, in steps of 5)
72 cells: JAM72S10-xxx/BP/1500V (xxx=385-400, in steps of 5)
72 cells: JAM72S10-xxx/MR/1500V (xxx=390-420, in steps of 5)
72 cells: JAM72S10-xxx/MB/1500V (xxx=395-415, in steps of 5)
72 cells: JAM72S20-xxx/MR/1500V (xxx=430-470, in steps of 5)
72 cells: JAM72S08-xxx/PR/1500V (xxx=360-395, in steps of 5)
72 cells: JAM72S17-xxx/PR/1500V (xxx=380-390, in steps of 5)
72 cells: JAM72S17-xxx/MR/1500V (xxx=390-395, in steps of 5)
60 cells: JAM60S03-xxx/PR/1500V (xxx=300-330, in steps of 5)
60 cells: JAM60S10-xxx/PR/1500V (xxx=315-345, in steps of 5)
60 cells: JAM60S10-xxx/BP/1500V (xxx=320-330, in steps of 5)
60 cells: JAM60S10-xxx/MR/1500V (xxx=325-345, in steps of 5)
60 cells: JAM60S10-xxx/MB/1500V (xxx=330-345, in steps of 5)
60 cells: JAM60S20-xxx/MR/1500V (xxx=355-390, in steps of 5)
60 cells: JAM60S21-xxx/MR/1500V (xxx=355-375, in steps of 5)
60 cells: JAM60S08-xxx/PR/1500V (xxx=300-330, in steps of 5)
60 cells: JAM60S17-xxx/PR/1500V (xxx=315-325, in steps of 5)
60 cells: JAM60S17-xxx/MR/1500V (xxx=315-335, in steps of 5)
78 cells: JAM78S10-xxx/MR/1500V (xxx=435-465, in steps of 5)
66 cells: JAM66S10-xxx/MR/1500V (xxx=345-390, 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 half-cut 6" Mono-crystalline Silicon Solar Cells:

72 cells: JAM72S10-xxx/PR/1500V (xxx=380-410, in steps of 5)
72 cells: JAM72S20-xxx/MR/1500V (xxx=430-470, in steps of 5)
72 cells: JAM72S17-xxx/PR/1500V (xxx=380-390, in steps of 5)
72 cells: JAM72S20-xxx/MB/1500V (xxx=450-465, in steps of 5)
60 cells: JAM60S20-xxx/MR/1500V (xxx=355-390, in steps of 5)
60 cells: JAM60S21-xxx/MR/1500V (xxx=355-375, in steps of 5)
60 cells: JAM60S10-xxx/PR/1500V (xxx=315-345, in steps of 5)
60 cells: JAM60S17-xxx/PR/1500V (xxx=315-325, in steps of 5)
60 cells: JAM60S20-xxx/MB/1500V (xxx=375-390, in steps of 5)

Maximum system voltage:

1500V



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Fuse rating: 25A
Application class: Class A
Electrical protection class: Class II

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

72 cells: JAM72S30-xxx/MR/1500V (xxx=510-550, in steps of 5)
66 cells: JAM66S30-xxx/MR/1500V (xxx=470-505, in steps of 5)
60 cells: JAM60S30-xxx/MR/1500V (xxx=435-460, in steps of 5)
54 cells: JAM54S30-xxx/MR/1500V (xxx=390-415, in steps of 5)
72 cells: JAM72S31-xxx/MR/1500V (xxx=510-545, in steps of 5)
66 cells: JAM66S31-xxx/MR/1500V (xxx=470-500, in steps of 5)
60 cells: JAM60S31-xxx/MR/1500V (xxx=425-450, in steps of 5)
54 cells: JAM54S31-xxx/MR/1500V (xxx=385-405, in steps of 5)

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

Module types: **PV Modules with 1/3-cut 8" Mono-crystalline Silicon Solar Cells:**

50 cells: JAM50S40-xxx/MR/1500V (xxx=490-500, 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=310-330, in steps of 5)
72 cells: JAP72S01-xxx/SC/1500V (xxx=310-345, in steps of 5)
72 cells: JAP72S01-xxx/PR/1500V (xxx=330-345, in steps of 5)
72 cells: JAP72S09-xxx/SC/1500V (xxx=320-345, in steps of 5)
72 cells: JAP72S01-xxx/MS/1500V (xxx=325-340, in steps of 5)
72 cells: JAP72S02-xxx/SC/1500V (xxx=310-345, in steps of 5)
72 cells: JAP72S02-xxx/PR/1500V (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/1500V (xxx=255-290, in steps of 5)
60 cells: JAP60S01-xxx/PR/1500V (xxx=275-285, in steps of 5)
60 cells: JAP60S09-xxx/SC/1500V (xxx=265-290, in steps of 5)



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60 cells: JAP60S01-xxx/MS/1500V (xxx=270-280, in steps of 5)
60 cells: JAP60S02-xxx/SC/1500V (xxx=255-290, in steps of 5)
60 cells: JAP60S02-xxx/PR/1500V (xxx=275-285, 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 half-cut 6" Poly-crystalline Silicon Solar Cells:**

72 cells: JAP72S03-xxx/SC/1500V (xxx=320-345, in steps of 5)
72 cells: JAP72S03-xxx/PR/1500V (xxx=335-355, in steps of 5)
72 cells: JAP72S10-xxx/SC/1500V (xxx=335-350, in steps of 5)
72 cells: JAP72S03-xxx/MS/1500V (xxx=320-345, in steps of 5)
72 cells: JAP72S08-xxx/SC/1500V (xxx=320-345, in steps of 5)
72 cells: JAP72S08-xxx/PR/1500V (xxx=335-355, in steps of 5)
60 cells: JAP60S03-xxx/SC/1500V (xxx=270-290, in steps of 5)
60 cells: JAP60S03-xxx/PR/1500V (xxx=280-295, in steps of 5)
60 cells: JAP60S10-xxx/SC/1500V (xxx=275-290, in steps of 5)
60 cells: JAP60S03-xxx/MS/1500V (xxx=270-285, in steps of 5)
60 cells: JAP60S08-xxx/SC/1500V (xxx=270-290, in steps of 5)
60 cells: JAP60S08-xxx/PR/1500V (xxx=280-295, in steps of 5)

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



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System voltage: 1000V or 1500V

Module types:

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

72 cells: JAM72S01-xxx/SC (xxx=320-365, in steps of 5)

72 cells: JAM72S02-xxx/SC (xxx=320-365, in steps of 5)

72 cells: JAM72S02-xxx/PR (xxx=345-390, in steps of 5)

72 cells: JAM72S01-xxx/MR (xxx=365-385, in steps of 5)

72 cells: JAM72S02-xxx/MR (xxx=365-385, in steps of 5)

72 cells: JAM72S09-xxx/PR (xxx=370-405, in steps of 5)

72 cells: JAM72S12-xxx/PR (xxx=365-385, in steps of 5)

72 cells: JAM72S09-xxx/BP (xxx=375-385, in steps of 5)

60 cells: JAM60S01-xxx/SC (xxx=265-305, in steps of 5)

60 cells: JAM60S02-xxx/SC (xxx=265-305, in steps of 5)

60 cells: JAM60S01-xxx/PR (xxx=285-325, in steps of 5)

60 cells: JAM60S02-xxx/PR (xxx=285-325, in steps of 5)

60 cells: JAM60S01-xxx/MR (xxx=305-320, in steps of 5)

60 cells: JAM60S02-xxx/MR (xxx=305-320, in steps of 5)

60 cells: JAM60S09-xxx/PR (xxx=310-335, in steps of 5)

60 cells: JAM60S12-xxx/PR (xxx=305-330, in steps of 5)

60 cells: JAM60S09-xxx/BP (xxx=315-320, in steps of 5)

Maximum system voltage:

1000V or 1500V

Fuse rating:

20A

Application class:

Class A

Electrical protection class:

Class II

Module types:

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

72 cells: JAM72S09-xxx/PR (xxx=370-405, in steps of 5)

72 cells: JAM72S12-xxx/PR (xxx=365-385, in steps of 5)

60 cells: JAM60S09-xxx/PR (xxx=310-335, in steps of 5)

60 cells: JAM60S12-xxx/PR (xxx=305-330, in steps of 5)

Maximum system voltage:

1000V or 1500V

Fuse rating:

25A

Application class:

Class A

Electrical protection class:

Class II



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Module types:

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

72 cells: JAM72S03-xxx/PR (xxx=360-395, in steps of 5)
72 cells: JAM72S10-xxx/PR (xxx=380-410, in steps of 5)
72 cells: JAM72S17-xxx/PR (xxx=380-390, in steps of 5)
72 cells: JAM72S10-xxx/MR (xxx=390-420, in steps of 5)
72 cells: JAM72S17-xxx/MR (xxx=390-395, in steps of 5)
72 cells: JAM72S10-xxx/BP (xxx=385-400, in steps of 5)
72 cells: JAM72S10-xxx/MB (xxx=395-415, in steps of 5)
72 cells: JAM72S20-xxx/MR (xxx=430-470, in steps of 5)
72 cells: JAM72S08-xxx/PR (xxx=360-395, in steps of 5)
72 cells: JAM72S20-xxx/MB (xxx=450-465, in steps of 5)
60 cells: JAM60S03-xxx/PR (xxx=300-330, in steps of 5)
60 cells: JAM60S08-xxx/PR (xxx=300-330, in steps of 5)
60 cells: JAM60S10-xxx/PR (xxx=315-345, in steps of 5)
60 cells: JAM60S10-xxx/MR (xxx=325-345, in steps of 5)
60 cells: JAM60S10-xxx/BP (xxx=320-330, in steps of 5)
60 cells: JAM60S10-xxx/MB (xxx=330-345, in steps of 5)
60 cells: JAM60S17-xxx/PR (xxx=315-325, in steps of 5)
60 cells: JAM60S17-xxx/MR (xxx=315-335, in steps of 5)
60 cells: JAM60S20-xxx/MR (xxx=355-390, in steps of 5)
60 cells: JAM60S21-xxx/MR (xxx=355-375, in steps of 5)
60 cells: JAM60S20-xxx/MB (xxx=375-390, in steps of 5)
78 cells: JAM78S10-xxx/MR (xxx=435-465, in steps of 5)
78 cells: JAM78S10-xxx/MR-J (xxx=435-465, in steps of 5)
66 cells: JAM66S10-xxx/MR (xxx=345-390, in steps of 5)

Maximum system voltage: 1000V or 1500V

Fuse rating: 20A

Application class: Class A

Electrical protection class: Class II

Module types:

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

72 cells: JAM72S10-xxx/PR (xxx=380-410, in steps of 5)
72 cells: JAM72S20-xxx/MR (xxx=430-470, in steps of 5)
72 cells: JAM72S17-xxx/PR (xxx=380-390, in steps of 5)
72 cells: JAM72S20-xxx/MB (xxx=450-465, in steps of 5)
60 cells: JAM60S20-xxx/MR (xxx=355-390, in steps of 5)
60 cells: JAM60S21-xxx/MR (xxx=355-375, in steps of 5)
60 cells: JAM60S10-xxx/PR (xxx=315-345, in steps of 5)



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60 cells: JAM60S17-xxx/PR (xxx=315-325, in steps of 5)
60 cells: JAM60S20-xxx/MB (xxx=375-390, in steps of 5)

Maximum system voltage: 1000V or 1500V
Fuse rating: 25A
Application class: Class A
Electrical protection class: Class II

Module types: **PV Modules with half-cut 7" Mono-crystalline Silicon Solar Cells:**
72 cells: JAM72S30-xxx/MR (xxx=510-550, in steps of 5)
66 cells: JAM66S30-xxx/MR (xxx=470-505, in steps of 5)
60 cells: JAM60S30-xxx/MR (xxx=435-460, in steps of 5)
54 cells: JAM54S30-xxx/MR (xxx=390-415, in steps of 5)
72 cells: JAM72S31-xxx/MR (xxx=510-545, in steps of 5)
66 cells: JAM66S31-xxx/MR (xxx=470-500, in steps of 5)
60 cells: JAM60S31-xxx/MR (xxx=425-450, in steps of 5)
54 cells: JAM54S31-xxx/MR (xxx=385-405, in steps of 5)

Maximum system voltage: 1000V or 1500V
Fuse rating: 25A
Application class: Class A
Electrical protection class: Class II

Module types: **PV Modules with 1/3-cut 8" Mono-crystalline Silicon Solar Cells:**
50 cells: JAM50S40-xxx/MR (xxx=490-500, in steps of 5)

Maximum system voltage: 1000V or 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: JAP72S01-xxx/SC (xxx=310-345, in steps of 5)
72 cells: JAP72S02-xxx/SC (xxx=310-345, in steps of 5)
72 cells: JAP72S01-xxx/PR (xxx=330-345, in steps of 5)
72 cells: JAP72S02-xxx/PR (xxx=330-345, in steps of 5)
72 cells: JAP72S09-xxx/SC (xxx=320-345, in steps of 5)
72 cells: JAP72S01-xxx/MS (xxx=325-340, in steps of 5)
60 cells: JAP60S01-xxx/SC (xxx=255-290, in steps of 5)



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	60 cells: JAP60S02-xxx/SC (xxx=255-290, in steps of 5)
	60 cells: JAP60S01-xxx/PR (xxx=275-285, in steps of 5)
	60 cells: JAP60S02-xxx/PR (xxx=275-285, in steps of 5)
	60 cells: JAP60S09-xxx/SC (xxx=265-290, in steps of 5)
	60 cells: JAP60S01-xxx/MS (xxx=270-280, in steps of 5)
	54 cells: JAP54S01-xxx/SC (xxx=245-255, in steps of 5)
Maximum system voltage:	1000V or 1500V
Fuse rating:	20A
Application class:	Class A
Electrical protection class:	Class II

Module types: **PV Modules with half-cut 6" Poly-crystalline Silicon Solar Cells:**

	72 cells: JAP72S03-xxx/PR (xxx=335-355, in steps of 5)
	72 cells: JAP72S03-xxx/SC (xxx=320-345, in steps of 5)
	72 cells: JAP72S10-xxx/SC (xxx=335-350, in steps of 5)
	72 cells: JAP72S03-xxx/MS (xxx=320-345, in steps of 5)
	72 cells: JAP72S08-xxx/SC (xxx=320-345, in steps of 5)
	72 cells: JAP72S08-xxx/PR (xxx=335-355, in steps of 5)
	60 cells: JAP60S03-xxx/PR (xxx=280-295, in steps of 5)
	60 cells: JAP60S03-xxx/SC (xxx=270-290, in steps of 5)
	60 cells: JAP60S10-xxx/SC (xxx=275-290, in steps of 5)
	60 cells: JAP60S03-xxx/MS (xxx=270-285, in steps of 5)
	60 cells: JAP60S08-xxx/SC (xxx=270-290, in steps of 5)
	60 cells: JAP60S08-xxx/PR (xxx=280-295, in steps of 5)
Maximum system voltage:	1000V or 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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