

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 half-cut 6" Poly-crystalline Silicon Solar Cells

PV Modules with 1/3-cut 8" Mono-crystalline Silicon Solar Cells

PV Modules with 1/5-cut 8" Mono-crystalline Silicon Solar Cells

Valid until: 2024-05-13

Certification program:

P12-VA-01 Rev. 17 09.20

Certification fundamental(s):

IEC 62716:2013 / EN 62716:2013 + AC:2014.

Registered No.:

44 780 20 406749 - 026R6A3M6

Manufacturer:

see Annex 1

Test Report No.:

492010517.020

File No.:

PVP03068/21P-01



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Essen, 2021-07-29

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.: 862010153.008

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 (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 4: **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 5: **Philadelphia Solar LTD. CO**
Al Qastal Industrial Area, Air freight Road, 11814 Amman, Jordan

Factory inspection report no.: 862010431.002

Manufacturer 6 : **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



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Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: **44 780 20 406749 - 026R6A3M6**

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Aktenzeichen: / File reference: **PVP03068/21P-01**

2021-07-29

Manufacturer 7 : **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

Manufacturer 8 : **JA Solar Viet Nam Company Limited**
Lot G, Quang Chau Industrial Zone, Quang Chau Commune
Viet Yen Dist, 236110 Bac Giang Province, VIETNAM.

Factory inspection report no.: 862010560.001

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)



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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)
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: 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
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)



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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)
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)
78 cells: JAM78S30-xxx/GR/1000V (xxx=575-600, in steps of 5)
72 cells: JAM72S30-xxx/GR/1000V (xxx=535-555, in steps of 5)
66 cells: JAM66S30-xxx/GR/1000V (xxx=500-505, in steps of 5)
60 cells: JAM60S30-xxx/GR/1000V (xxx=445-460, in steps of 5)
54 cells: JAM54S30-xxx/GR/1000V (xxx=400-415, 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)
78 cells: JAM78S31-xxx/GR/1000V (xxx=570-590, in steps of 5)
72 cells: JAM72S31-xxx/GR/1000V (xxx=525-545, in steps of 5)
66 cells: JAM66S31-xxx/GR/1000V (xxx=480-500, in steps of 5)
60 cells: JAM60S31-xxx/GR/1000V (xxx=435-450, in steps of 5)
54 cells: JAM54S31-xxx/GR/1000V (xxx=395-405, 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:

25A

Application class:

Class A

Electrical protection class:

Class II



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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)
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



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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

Module types:

PV Modules with 1/5-cut 8" Mono-crystalline Silicon Solar Cells:

76 cells: JAM76S11-xxx/PR(B)/1000V (xxx=395-415, in steps of 5)

Maximum system voltage:

1000V

Fuse rating:

25A

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



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Electrical protection class: Class II

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



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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
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) 78 cells: JAM78S30-xxx/GR/1500V (xxx=575-600, in steps of 5) 72 cells: JAM72S30-xxx/GR/1500V (xxx=535-555, in steps of 5) 66 cells: JAM66S30-xxx/GR/1500V (xxx=500-505, in steps of 5) 60 cells: JAM60S30-xxx/GR/1500V (xxx=445-460, in steps of 5) 54 cells: JAM54S30-xxx/GR/1500V (xxx=400-415, 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) 78 cells: JAM78S31-xxx/GR/1500V (xxx=575-590, in steps of 5) 72 cells: JAM72S31-xxx/GR/1500V (xxx=525-545, in steps of 5) 66 cells: JAM66S31-xxx/GR/1500V (xxx=480-500, in steps of 5) 60 cells: JAM60S31-xxx/GR/1500V (xxx=435-450, in steps of 5) 54 cells: JAM54S31-xxx/GR/1500V (xxx=395-405, in steps of 5)
Maximum system voltage:	1500V
Fuse rating:	25A
Application class:	Class A



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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: 25A

Application class: Class A

Electrical protection class: Class II

Module types: **PV Modules with 1/5-cut 8" Mono-crystalline Silicon Solar Cells:**

76 cells: JAM76S11-xxx/PR(B)/1500V (xxx=395-415, 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 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)

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



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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

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



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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) 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) 78 cells: JAM78S30-xxx/GR (xxx=575-600, in steps of 5) 72 cells: JAM72S30-xxx/GR (xxx=535-555, in steps of 5) 66 cells: JAM66S30-xxx/GR (xxx=500-505, in steps of 5) 60 cells: JAM60S30-xxx/GR (xxx=445-460, in steps of 5) 54 cells: JAM54S30-xxx/GR (xxx=400-415, 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) 78 cells: JAM78S31-xxx/GR (xxx=575-590, in steps of 5) 72 cells: JAM72S31-xxx/GR (xxx=525-545, in steps of 5) 66 cells: JAM66S31-xxx/GR (xxx=480-500, in steps of 5) 60 cells: JAM60S31-xxx/GR (xxx=435-450, in steps of 5) 54 cells: JAM54S31-xxx/GR (xxx=395-405, in steps of 5)
Maximum system voltage:	1000V or 1500V
Fuse rating:	25A
Application class:	Class A



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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: 25A

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)

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



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Module types: **PV Modules with 1/5-cut 8" Mono-crystalline Silicon Solar Cells:**
68 cells: JAM68S11-xxx/PR (xxx=355-365, in steps of 5)
68 cells: JAM68S11-xxx/PR(B) (xxx=345-365, in steps of 5)
76 cells: JAM76S11-xxx/PR(B) (xxx=395-415, 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 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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