

# CERTIFICATE

**TÜV NORD CERT GmbH**  
herewith declares that

**Shanghai JA Solar Technology Co., Ltd.**  
No. 118, Lane 3111, West Huancheng 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):**

**Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**



Valid from: 2025-05-28

Valid until: 2026-09-29

Certification program:	P12-VA-01 Rev. 17 09.20
Certification fundamental(s):	IEC 62716:2013 / EN 62716:2013.
Registered No.:	44 780 23 406749 - 192R13A7M14
Manufacturer and factory(-ies):	See Annex 1
Test Report No.:	492012552.016
File No.:	PVP03181/25P-02



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Essen, 2025-05-28

Please also pay attention to the information stated overleaf.

**Manufacturer and factory(-ies):**

Manufacturer:	<b>Shanghai JA Solar Technology Co., Ltd.</b> No. 118, Lane 3111, West Huancheng Road, Fengxian District Shanghai 201401, P.R. China
Factory 1:	<b>Shanghai JA Solar Technology Co., Ltd.</b> No. 118, Lane 3111, West Huancheng Road, Fengxian District Shanghai 201401, P.R. China
Factory inspection report no.:	862010153.012
Factory 2:	<b>Hefei JA Solar Technology Co., Ltd.</b> No. 999, Chang Ning Road, Hi-tech Zone, Hefei 230088, P.R. China
Factory inspection report no.:	862010241.011
Factory 3:	<b>JA Solar (Xingtai) Co., Ltd.</b> No. 1688, Chang An Road, Xingtai Economic Development Area Xingtai City, Hebei Province, 054001, P.R. China
Factory inspection report no.:	862010290.009
Factory 4:	<b>JA Solar New Energy Yangzhou Co., Ltd.</b> No.1, Jinhui Road, Economic Development Zone Yangzhou, Jiangsu Province, 225131, P.R. China.
Factory inspection report no.:	862010496.005
Factory 5:	<b>Yiwu JA Solar Technology Co., Ltd.</b> No. 165, Tongze Road, Yiting Town, Yiwu City, Zhejiang Province, 322000, P.R. China.
Factory inspection report no.:	862010513.005
Factory 6:	<b>JA Solar Viet Nam Company Limited</b> Lot G, Quang Chau Industiral Park, Quang Chau Ward, Viet Yen Town, 236110 Bac Giang Province, VIETNAM.
Factory inspection report no.:	862010560.004



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Factory 7:	<b>JA Solar New Energy Yangzhou Co., Ltd. (Jingshan Park)</b> No.123, Jinshan Road, Economic Development Zone, Yangzhou, Jiangsu Province, 225131, P.R. China.
Factory inspection report no.:	862010584.004
Factory 8:	<b>HSA ENERJI A.S.</b> OSB III. Kisim Keciliköy OSB Mah., Mustafa Kemal Bulvari No:15/1., 45030 Yunusemre – Manisa, TURKEY
Factory inspection report no.:	862010735.002
Factory 9:	<b>Dongtai JA Solar Technology Co., Ltd.</b> No.8 Zaofeng North Road, Dongtai High-tech Zone, Dongtai City, 224248 Yancheng City, Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA
Factory inspection report no.:	862010802.002
Factory 10:	<b>QuJing JA Solar Technology Co., Ltd.</b> North of Nanhai Avenue and East of Shaoxi Road, Qujing Economic and Technological Development Zone, 655000 Qujing City, Yunnan Province, PEOPLE'S REPUBLIC OF CHINA
Factory inspection report no.:	862010866.002
Factory 11:	<b>Inner Mongolia JA Solar PV Technology Co., Ltd.</b> No.21, Zhuangbei Avenue, Xin Guihua Area, Equipment park, Qingshan District, 014000 Baotou, Inner Mogolia Autonomous Region, PEOPLE'S REPUBLIC OF CHINA
Factory inspection report no.:	862010874.002
Factory 12:	<b>Ordos JA Solar Technology Co., Ltd.</b> Room 2007, Office Building, High-tech Industrial Development Zone, Dongsheng District Equipment Manufacturing Base, 017000 Ordos City, Inner Mongolia, PEOPLE'S REPUBLIC OF CHINA
Factory inspection report no.:	862011003.001



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Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: 44 780 23 406749 - 192R13A7M14

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Aktenzeichen: / File reference: PVP03181/25P-02

2025-05-28

Factory 13: **Inner Mongolia JA Naoer New Energy Co., Ltd.**  
Room 620, Office Building of the Management Committee, No.1 Fuyuan Road, North Economic and Technological Development Zone, Bayannur City 015000, Inner Mongolia Autonomous Region, PEOPLE'S REPUBLIC OF CHINA

Factory inspection report no.: 862011027.001

Factory 14: **MEM PANEL SOLAR ENERJI SANAYI VETICARET A.S**  
Organized Industrial Site 3. Street No: 4 Onikisubat, 46050 Kahramanmaras, TURKIYE

Factory inspection report no.: 862011040.001

Factory 15: **JA Solar AZ, LLC**  
1975 South 99th Avenue, Phoenix, AZ85353, USA

Factory inspection report no.: 862011080.001

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 Mono-crystalline Silicon Solar Cells (156mm to 158.75mm):**

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)



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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  
Maximum overcurrent protection rating: 20A  
Electrical protection class: Class II

Module types: **PV Modules with 125mm 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  
Maximum overcurrent protection rating: 10A  
Electrical protection class: Class II

Module types: **PV Modules with Mono-crystalline Silicon half-cut Solar Cells (156mm to 158.75mm):**

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=390-430, 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=390-430, in steps of 5)  
72 cells: JAM72S17-xxx/GR/1000V (xxx=385-400, 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=325-355, in steps of 5)  
60 cells: JAM60S10-xxx/MB/1000V (xxx=330-345, in steps of 5)



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	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=315-355, 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
Maximum overcurrent protection rating:	20A
Electrical protection class:	Class II

Module types:	<b>PV Modules with Mono-crystalline Silicon half-cut Solar Cells (166mm to 168mm):</b>
	72 cells: JAM72S20-xxx/MR/1000V (xxx=430-470, 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=355-390, in steps of 5)
	60 cells: JAM60S20-xxx/MB/1000V (xxx=375-390, in steps of 5)

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

Module types:	<b>PV Modules with 182mm Mono-crystalline Silicon half-cut Solar Cells:</b>
	60 cells: JAM60S30-xxx/MR/1000V (xxx=435-460, in steps of 5)
	66 cells: JAM66S30-xxx/MR/1000V (xxx=470-510, in steps of 5)
	72 cells: JAM72S30-xxx/MR/1000V (xxx=510-560, in steps of 5)
	78 cells: JAM78S30-xxx/MR/1000V (xxx=580-605, in steps of 5)
	54 cells: JAM54S30-xxx/MR/1000V (xxx=390-425, in steps of 5)
	78 cells: JAM78S30-xxx/GR/1000V (xxx=575-610, in steps of 5)
	72 cells: JAM72S30-xxx/GR/1000V (xxx=510-560, in steps of 5)
	66 cells: JAM66S30-xxx/GR/1000V (xxx=500-510, in steps of 5)
	60 cells: JAM60S30-xxx/GR/1000V (xxx=445-470, in steps of 5)
	54 cells: JAM54S30-xxx/GR/1000V (xxx=400-420, 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=385-415, in steps of 5)
	78 cells: JAM78S31-xxx/GR/1000V (xxx=570-590, in steps of 5)



72 cells: JAM72S31-xxx/GR/1000V (xxx=510-545, 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=395-415, in steps of 5)  
 72 cells: JAM72S40-xxx/GR/1000V (xxx=540-575, in steps of 5)  
 66 cells: JAM66S40-xxx/GR/1000V (xxx=495-525, in steps of 5)  
 60 cells: JAM60S40-xxx/GR/1000V (xxx=450-480, in steps of 5)  
 54 cells: JAM54S40-xxx/GR/1000V (xxx=405-430, in steps of 5)  
 72 cells: JAM72S41-xxx/GR/1000V (xxx=540-570, in steps of 5)  
 66 cells: JAM66S41-xxx/GR/1000V (xxx=495-525, in steps of 5)  
 60 cells: JAM60S41-xxx/GR/1000V (xxx=450-475, in steps of 5)  
 54 cells: JAM54S41-xxx/GR/1000V (xxx=405-430, in steps of 5)  
 72 cells: JAM72S30-xxx/LR/1000V (xxx=555-580, in steps of 5)  
 54 cells: JAM54S30-xxx/LR/1000V (xxx=415-435, in steps of 5)  
 54 cells: JAM54S31-xxx/LR/1000V (xxx=415-425, in steps of 5)  
 72 cells: JAM72S30-xxx/MB/1000V (xxx=535-550, in steps of 5)  
 72 cells: JAM72S31-xxx/MB/1000V (xxx=525-540, in steps of 5)  
 54 cells: JAM54S30-xxx/MB/1000V (xxx=385-410, in steps of 5)  
 54 cells: JAM54S31-xxx/MB/1000V (xxx=385-405, in steps of 5)  
 54 cells: JAM54S30-xxx/LB/1000V (xxx=410-425, in steps of 5)  
 54 cells: JAM54S31-xxx/LB/1000V (xxx=410-415, in steps of 5)  
 72 cells: JAM72S40-xxx/MR/1000V (xxx=560-590, in steps of 5)

Maximum system voltage: 1000V

Maximum overcurrent protection rating: 25A

Electrical protection class: Class II

Module types: **PV Modules with 210mm Mono-crystalline Silicon 1/3-cut Solar Cells:**

50 cells: JAM50S40-xxx/MR/1000V (xxx=490-500, in steps of 5)  
 66 cells: JAM66S35-xxx/MR/1000V (xxx=650-670, in steps of 5)  
 60 cells: JAM60S35-xxx/MR/1000V (xxx=590-610, in steps of 5)

Maximum system voltage: 1000V

Maximum overcurrent protection rating: 25A

Electrical protection class: Class II

Module types: **PV Modules with 182mm Mono-crystalline Silicon 1/5-cut Solar Cells:**



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

Maximum system voltage: 1000V

Maximum overcurrent protection rating: 25A

Electrical protection class: Class II

## Module types:

**PV Modules with Poly-crystalline Silicon Solar Cells (156mm to 158.75mm):**

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

Maximum overcurrent protection rating: 20A

Electrical protection class: Class II



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Module types:

**PV Modules with Poly-crystalline Silicon half-cut Solar Cells (156mm to 158.75mm):**

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

Maximum overcurrent protection rating:

20A

Electrical protection class:

Class II

Module types:

**PV Modules with Mono-crystalline Silicon Solar Cells (156mm to 158.75mm):**

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)



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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)  
72 cells: JAM6(K)(DG)-72-xxx/PR/1500V (xxx=330-365, in steps of 5)  
72 cells: JAM6(K)(DG)-72-xxx/4BB/1500V (xxx=320-340, in steps of 5)  
72 cells: JAM72D00-xxx/PR (xxx=340-385, in steps of 5)  
72 cells: JAM72D00-xxx/PR/1500V (xxx=340-385, in steps of 5)  
72 cells: JAM72D00-xxx/SC (xxx=320-340, in steps of 5)  
72 cells: JAM72D00-xxx/BP (xxx=330-385, in steps of 5)  
72 cells: JAM72D00-xxx/BP/1500V (xxx=330-385, in steps of 5)  
72 cells: JAM72D00-xxx/MB (xxx=370-380, in steps of 5)  
72 cells: JAM72D00-xxx/MB/1500V (xxx=370-380, in steps of 5)  
72 cells: JAM72D09-xxx/BP (xxx=360-400, in steps of 5)  
72 cells: JAM72D09-xxx/BP/1500V (xxx=360-400, in steps of 5)  
60 cells: JAM6(DG)-60-xxx/1500V (xxx=250-270, in steps of 5)  
60 cells: JAM6(K)(DG)-60-xxx/4BB/1500V (xxx=260-285, in steps of 5)  
60 cells: JAM6(K)(DG)-60-xxx/PR/1500V (xxx=270-305, in steps of 5)  
60 cells: JAM6(DG)-60-xxx/4BB/1500V (xxx=260-280, in steps of 5)  
60 cells: JAM60D00-xxx/PR (xxx=285-320, in steps of 5)  
60 cells: JAM60D00-xxx/PR/1500V (xxx=285-320, in steps of 5)  
60 cells: JAM60D00-xxx/SC (xxx=260-285, in steps of 5)  
60 cells: JAM60D00-xxx/BP (xxx=275-320, in steps of 5)  
60 cells: JAM60D00-xxx/BP/1500V (xxx=275-320, in steps of 5)  
60 cells: JAM60D00-xxx/MB (xxx=310-315, in steps of 5)  
60 cells: JAM60D00-xxx/MB/1500V (xxx=310-315, in steps of 5)  
60 cells: JAM60D09-xxx/BP (xxx=300-340, in steps of 5)  
60 cells: JAM60D09-xxx/BP/1500V (xxx=300-340, in steps of 5)

Maximum system voltage: 1500V

Maximum overcurrent protection rating: 20A

Electrical protection class: Class II



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Module types:

**PV Modules with Mono-crystalline Silicon half-cut Solar Cells (156mm to 158.75mm):**

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=390-430, in steps of 5)  
72 cells: JAM72S10-xxx/MB/1500V (xxx=395-415, 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=390-430, in steps of 5)  
72 cells: JAM72S17-xxx/GR/1500V (xxx=385-400, 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=325-355, 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=355-390, 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=315-355, 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)  
72 cells: JAM72D10-xxx/MB (xxx=385-430, in steps of 5)  
72 cells: JAM72D10-xxx/MB/1500V (xxx=385-430, in steps of 5)  
60 cells: JAM60D10-xxx/MB (xxx=320-355, in steps of 5)  
60 cells: JAM60D10-xxx/MB/1500V (xxx=320-355, in steps of 5)  
72 cells: JAM72D10-xxx/BP (xxx=385-415, in steps of 5)  
72 cells: JAM72D10-xxx/BP/1500V (xxx=385-415, in steps of 5)  
60 cells: JAM60D10-xxx/BP (xxx=320-345, in steps of 5)  
60 cells: JAM60D10-xxx/BP/1500V (xxx=320-345, in steps of 5)  
78 cells: JAM78D10-xxx/MB (xxx=435-455, in steps of 5)  
78 cells: JAM78D10-xxx/MB/1500V (xxx=435-455, in steps of 5)  
66 cells: JAM66D10-xxx/MB (xxx=360-380, in steps of 5)  
66 cells: JAM66D10-xxx/MB/1500V (xxx=360-380, in steps of 5)  
72 cells: JAM72D20-xxx/MB (xxx=430-465, in steps of 5)  
72 cells: JAM72D20-xxx/MB/1500V (xxx=430-465, in steps of 5)  
60 cells: JAM60D20-xxx/MB (xxx=355-385, in steps of 5)  
60 cells: JAM60D20-xxx/MB/1500V (xxx=355-385, in steps of 5)  
72 cells: JAM72D10-xxx/TB (xxx=400-420, in steps of 5)



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	72 cells: JAM72D10-xxx/TB/1500V (xxx=400-420, in steps of 5)
	60 cells: JAM60D10-xxx/TB (xxx=335-350, in steps of 5)
	60 cells: JAM60D10-xxx/TB/1500V (xxx=335-350, in steps of 5)
Maximum system voltage:	1500V
Maximum overcurrent protection rating:	20A
Electrical protection class:	Class II

Module types:	<b>PV Modules with Mono-crystalline Silicon half-cut Solar Cells (166mm to 168mm):</b>
	72 cells: JAM72S20-xxx/MR/1500V (xxx=430-470, in steps of 5)
	72 cells: JAM72S20-xxx/MB/1500V (xxx=450-465, in steps of 5)
	60 cells: JAM60S20-xxx/MB/1500V (xxx=375-390, in steps of 5)
Maximum system voltage:	1500V
Maximum overcurrent protection rating:	25A
Electrical protection class:	Class II

Module types:	<b>PV Modules with 182mm Mono-crystalline Silicon half-cut Solar Cells:</b>
	78 cells: JAM78S30-xxx/MR/1500V (xxx=580-605, in steps of 5)
	72 cells: JAM72S30-xxx/MR/1500V (xxx=510-560, in steps of 5)
	66 cells: JAM66S30-xxx/MR/1500V (xxx=470-510, in steps of 5)
	60 cells: JAM60S30-xxx/MR/1500V (xxx=435-460, in steps of 5)
	54 cells: JAM54S30-xxx/MR/1500V (xxx=390-425, in steps of 5)
	78 cells: JAM78S30-xxx/GR/1500V (xxx=575-610, in steps of 5)
	72 cells: JAM72S30-xxx/GR/1500V (xxx=510-560, in steps of 5)
	66 cells: JAM66S30-xxx/GR/1500V (xxx=500-510, in steps of 5)
	60 cells: JAM60S30-xxx/GR/1500V (xxx=445-470, in steps of 5)
	54 cells: JAM54S30-xxx/GR/1500V (xxx=400-420, 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=385-415, in steps of 5)
	78 cells: JAM78S31-xxx/GR/1500V (xxx=570-590, in steps of 5)
	72 cells: JAM72S31-xxx/GR/1500V (xxx=510-545, 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=395-415, in steps of 5)



72 cells: JAM72S40-xxx/GR/1500V (xxx=540-575, in steps of 5)  
66 cells: JAM66S40-xxx/GR/1500V (xxx=495-525, in steps of 5)  
60 cells: JAM60S40-xxx/GR/1500V (xxx=450-480, in steps of 5)  
54 cells: JAM54S40-xxx/GR/1500V (xxx=405-430, in steps of 5)  
72 cells: JAM72S41-xxx/GR/1500V (xxx=540-570, in steps of 5)  
66 cells: JAM66S41-xxx/GR/1500V (xxx=495-525, in steps of 5)  
60 cells: JAM60S41-xxx/GR/1500V (xxx=450-475, in steps of 5)  
54 cells: JAM54S41-xxx/GR/1500V (xxx=405-430, in steps of 5)  
72 cells: JAM72S30-xxx/LR/1500V (xxx=555-580, in steps of 5)  
54 cells: JAM54S30-xxx/LR/1500V (xxx=415-435, in steps of 5)  
54 cells: JAM54S31-xxx/LR/1500V (xxx=415-425, in steps of 5)  
72 cells: JAM72S30-xxx/MB/1500V (xxx=535-550, in steps of 5)  
72 cells: JAM72S31-xxx/MB/1500V (xxx=525-540, in steps of 5)  
54 cells: JAM54S30-xxx/MB/1500V (xxx=385-410, in steps of 5)  
54 cells: JAM54S31-xxx/MB/1500V (xxx=385-405, in steps of 5)  
54 cells: JAM54S30-xxx/LB/1500V (xxx=410-425, in steps of 5)  
54 cells: JAM54S31-xxx/LB/1500V (xxx=410-415, in steps of 5)  
72 cells: JAM72S40-xxx/MR/1500V (xxx=560-590, in steps of 5)  
78 cells: JAM78D30-xxx/MB (xxx=580-605, in steps of 5)  
78 cells: JAM78D30-xxx/MB/1500V (xxx=580-605, in steps of 5)  
72 cells: JAM72D30-xxx/MB (xxx=505-560, in steps of 5)  
72 cells: JAM72D30-xxx/MB/1500V (xxx=505-560, in steps of 5)  
72 cells: JAM72D30-xxx/MB/F (xxx=505-560, in steps of 5)  
72 cells: JAM72D30-xxx/MB/F/1500V (xxx=505-560, in steps of 5)  
66 cells: JAM66D30-xxx/MB (xxx=465-505, in steps of 5)  
66 cells: JAM66D30-xxx/MB/1500V (xxx=465-505, in steps of 5)  
66 cells: JAM66D30-xxx/MB/F (xxx=465-505, in steps of 5)  
66 cells: JAM66D30-xxx/MB/F/1500V (xxx=465-505, in steps of 5)  
60 cells: JAM60D30-xxx/MB (xxx=435-460, in steps of 5)  
60 cells: JAM60D30-xxx/MB/1500V (xxx=435-460, in steps of 5)  
54 cells: JAM54D30-xxx/MB (xxx=390-415, in steps of 5)  
54 cells: JAM54D30-xxx/MB/1500V (xxx=390-415, in steps of 5)  
54 cells: JAM54D31-xxx/MB (xxx=395-400, in steps of 5)  
54 cells: JAM54D31-xxx/MB/1500V (xxx=395-400, in steps of 5)  
78 cells: JAM78D30-xxx/GB (xxx=585-610, in steps of 5)  
78 cells: JAM78D30-xxx/GB/1500V (xxx=585-610, in steps of 5)  
72 cells: JAM72D30-xxx/GB (xxx=505-560, in steps of 5)  
72 cells: JAM72D30-xxx/GB/1500V (xxx=505-560, in steps of 5)  
66 cells: JAM66D30-xxx/GB (xxx=495-510, in steps of 5)  
66 cells: JAM66D30-xxx/GB/1500V (xxx=495-510, in steps of 5)



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60 cells: JAM60D30-xxx/GB (xxx=450-470, in steps of 5)  
60 cells: JAM60D30-xxx/GB/1500V (xxx=450-470, in steps of 5)  
54 cells: JAM54D30-xxx/GB (xxx=405-420, in steps of 5)  
54 cells: JAM54D30-xxx/GB/1500V (xxx=405-420, in steps of 5)  
54 cells: JAM54D31-xxx/GB (xxx=410-420, in steps of 5)  
54 cells: JAM54D31-xxx/GB/1500V (xxx=410-420, in steps of 5)  
72 cells: JAM72D30-xxx/HB (xxx=530-560, in steps of 5)  
72 cells: JAM72D30-xxx/HB/1500V (xxx=530-560, in steps of 5)  
78 cells: JAM78D30-xxx/TB (xxx=580-630, in steps of 5)  
78 cells: JAM78D30-xxx/TB/1500V (xxx=580-630, in steps of 5)  
72 cells: JAM72D30-xxx/TB (xxx=540-580, in steps of 5)  
72 cells: JAM72D30-xxx/TB/1500V (xxx=540-580, in steps of 5)  
78 cells: JAM78D40-xxx/MB (xxx=580-655, in steps of 5)  
78 cells: JAM78D40-xxx/MB/1500V (xxx=580-655, in steps of 5)  
72 cells: JAM72D40-xxx/MB (xxx=540-610, in steps of 5)  
72 cells: JAM72D40-xxx/MB/1500V (xxx=540-610, in steps of 5)  
72 cells: JAM72D40-xxx/MB-US (xxx=585-600, in steps of 5)  
72 cells: JAM72D40-xxx/MB-US/1500V (xxx=585-600, in steps of 5)  
66 cells: JAM66D40-xxx/MB (xxx=500-545, in steps of 5)  
66 cells: JAM66D40-xxx/MB/1500V (xxx=500-545, in steps of 5)  
60 cells: JAM60D40-xxx/MB (xxx=455-495, in steps of 5)  
60 cells: JAM60D40-xxx/MB/1500V (xxx=455-495, in steps of 5)  
54 cells: JAM54D40-xxx/MB (xxx=405-455, in steps of 5)  
54 cells: JAM54D40-xxx/MB/1500V (xxx=405-455, in steps of 5)  
72 cells: JAM72D41-xxx/MB (xxx=575-590, in steps of 5)  
72 cells: JAM72D41-xxx/MB/1500V (xxx=575-590, in steps of 5)  
54 cells: JAM54D41-xxx/MB (xxx=405-445, in steps of 5)  
54 cells: JAM54D41-xxx/MB/1500V (xxx=405-445, in steps of 5)  
54 cells: JAM54D40-xxx/MR (xxx=405-455, in steps of 5)  
54 cells: JAM54D40-xxx/MR/1500V (xxx=405-455, in steps of 5)  
78 cells: JAM78D40-xxx/GB (xxx=580-655, in steps of 5)  
78 cells: JAM78D40-xxx/GB/1500V (xxx=580-655, in steps of 5)  
72 cells: JAM72D40-xxx/GB (xxx=540-610, in steps of 5)  
72 cells: JAM72D40-xxx/GB/1500V (xxx=540-610, in steps of 5)  
66 cells: JAM66D40-xxx/GB (xxx=500-560, in steps of 5)  
66 cells: JAM66D40-xxx/GB/1500V (xxx=500-560, in steps of 5)  
60 cells: JAM60D40-xxx/GB (xxx=455-505, in steps of 5)  
60 cells: JAM60D40-xxx/GB/1500V (xxx=455-505, in steps of 5)  
54 cells: JAM54D40-xxx/GB (xxx=405-455, in steps of 5)  
54 cells: JAM54D40-xxx/GB/1500V (xxx=405-455, in steps of 5)



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72 cells: JAM72D41-xxx/GB (xxx=575-590, in steps of 5)  
 72 cells: JAM72D41-xxx/GB/1500V (xxx=575-590, in steps of 5)  
 54 cells: JAM54D41-xxx/GB (xxx=415-435, in steps of 5)  
 54 cells: JAM54D41-xxx/GB/1500V (xxx=415-435, in steps of 5)  
 72 cells: JAM72D30-xxx/LB (xxx=555-575, in steps of 5)  
 72 cells: JAM72D30-xxx/LB/1500V (xxx=555-575, in steps of 5)  
 54 cells: JAM54D30-xxx/LB (xxx=420-430, in steps of 5)  
 54 cells: JAM54D30-xxx/LB/1500V (xxx=420-430, in steps of 5)  
 66 cells: JAM66D42-xxx/MB (xxx=540-600, in steps of 5)  
 66 cells: JAM66D42-xxx/MB/1500V (xxx=540-600, in steps of 5)  
 66 cells: JAM66D42-xxx/MR (xxx=540-600, in steps of 5)  
 66 cells: JAM66D42-xxx/MR/1500V (xxx=540-600, in steps of 5)  
 66 cells: JAM66D43-xxx/MB (xxx=565-580, in steps of 5)  
 66 cells: JAM66D43-xxx/MB/1500V (xxx=565-580, in steps of 5)

Maximum system voltage: 1500V  
 Maximum overcurrent protection rating: 25A or 30A  
 Electrical protection class: Class II

Module types:

**PV Modules with 182mm Mono-crystalline Silicon half-cut or Asymmetric cut Solar Cells:**

72 cells: JAM72D40-xxx/LB (xxx=560-620, in steps of 5)  
 72 cells: JAM72D40-xxx/LB/1500V (xxx=560-620, in steps of 5)  
 60 cells: JAM60D40-xxx/LB (xxx=485-515, in steps of 5)  
 60 cells: JAM60D40-xxx/LB/1500V (xxx=485-515, in steps of 5)  
 54 cells: JAM54D40-xxx/LB (xxx=420-475, in steps of 5)  
 54 cells: JAM54D40-xxx/LB/1500V (xxx=420-475, in steps of 5)  
 54 cells: JAM54D40-xxx/LR (xxx=420-475, in steps of 5)  
 54 cells: JAM54D40-xxx/LR/1500V (xxx=420-475, in steps of 5)  
 60 cells: JAM60D41-xxx/LB (xxx=485-505, in steps of 5)  
 60 cells: JAM60D41-xxx/LB/1500V (xxx=485-505, in steps of 5)  
 54 cells: JAM54D41-xxx/LB (xxx=420-455, in steps of 5)  
 54 cells: JAM54D41-xxx/LB/1500V (xxx=420-455, in steps of 5)  
 72 cells: JAM72D42-xxx/LB (xxx=590-655, in steps of 5)  
 72 cells: JAM72D42-xxx/LB/1500V (xxx=590-655, in steps of 5)  
 60 cells: JAM60D42-xxx/LB (xxx=500-545, in steps of 5)  
 60 cells: JAM60D42-xxx/LB/1500V (xxx=500-545, in steps of 5)  
 54 cells: JAM54D42-xxx/LB (xxx=455-485, in steps of 5)  
 54 cells: JAM54D42-xxx/LB/1500V (xxx=455-485, in steps of 5)



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78 cells: JAM78D49-xxx/LB (xxx=585-610, in steps of 5)  
 78 cells: JAM78D49-xxx/LB /1500V (xxx=585-610, in steps of 5)  
 66 cells: JAM66D45-xxx/LB (xxx=580-650, in steps of 5)  
 66 cells: JAM66D45-xxx/LB /1500V (xxx=580-650, in steps of 5)  
 66 cells: JAM66D45-xxx/LR (xxx=580-650, in steps of 5)  
 66 cells: JAM66D45-xxx/LR /1500V (xxx=580-650, in steps of 5)  
 72 cells: JAM72D40-xxx/HB (xxx=585-605, in steps of 5)  
 72 cells: JAM72D40-xxx/HB /1500V (xxx=585-605, in steps of 5)  
 54 cells: JAM54D40-xxx/HB (xxx=440-450, in steps of 5)  
 54 cells: JAM54D40-xxx/HB /1500V (xxx=440-450, in steps of 5)  
 54 cells: JAM54D41-xxx/HB (xxx=430-445, in steps of 5)  
 54 cells: JAM54D41-xxx/HB /1500V (xxx=430-445, in steps of 5)

Maximum system voltage: 1500V  
 Maximum overcurrent protection rating: 25A or 30A  
 Electrical protection class: Class II

Module types: **PV Modules with 210mm Mono-crystalline Silicon 1/3-cut Solar Cells:**  
 50 cells: JAM50S40-xxx/MR/1500V (xxx=490-500, in steps of 5)  
 50 cells: JAM50D40-xxx/MB (xxx=485-500, in steps of 5)  
 50 cells: JAM50D40-xxx/MB/1500V (xxx=485-500, in steps of 5)

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

Module types: **PV Modules with 210mm Mono-crystalline Silicon 1/2-cut Solar Cells:**  
 66 cells: JAM66S35-xxx/MR/1500V (xxx=650-670, in steps of 5)  
 60 cells: JAM60S35-xxx/MR/1500V (xxx=590-610, in steps of 5)  
 66 cells: JAM66D35-xxx/MB (xxx=650-665, in steps of 5)  
 66 cells: JAM66D35-xxx/MB/1500V (xxx=650-665, in steps of 5)  
 60 cells: JAM60D35-xxx/MB (xxx=590-605, in steps of 5)  
 60 cells: JAM60D35-xxx/MB/1500V (xxx=590-605, in steps of 5)  
 66 cells: JAM66D46-xxx/LB (xxx=685-730, in steps of 5)  
 66 cells: JAM66D46-xxx/LB /1500V (xxx=685-730, in steps of 5)

Maximum system voltage: 1500V



Maximum overcurrent protection rating: 25A

Electrical protection class: Class II

Module types:

**PV Modules with 182mm PERC Mono-crystalline Silicon 1/2-cut Solar Cells:**

72 cells: JAM72S30-xxx/MR (xxx=525-560, in steps of 5)

66 cells: JAM66S30-xxx/MR (xxx=480-510, in steps of 5)

54 cells: JAM54S30-xxx/MR (xxx=395-420, in steps of 5)

72 cells: JAM72S30-xxx/LR (xxx=560-580, in steps of 5)

54 cells: JAM54S30-xxx/LR (xxx=415-435, in steps of 5)

72 cells: JAM72S30-xxx/GR (xxx=530-570, in steps of 5)

54 cells: JAM54S30-xxx/GR (xxx=400-425, in steps of 5)

Maximum system voltage: 1500V

Maximum overcurrent protection rating: 25A

Electrical protection class: Class II

Module types:

**PV Modules with 182mm TOPCon Mono-crystalline Silicon 1/2-cut Solar Cells:**

72 cells: JAM72S40-xxx/LR (xxx=560-615, in steps of 5)

60 cells: JAM60S40-xxx/LR (xxx=475-515, in steps of 5)

54 cells: JAM54S40-xxx/LR (xxx=420-470, in steps of 5)

54 cells: JAM54S40-xxx/LR-X (xxx=420-470, in steps of 5)

72 cells: JAM72S41-xxx/LR (xxx=560-595, in steps of 5)

60 cells: JAM60S41-xxx/LR (xxx=475-495, in steps of 5)

54 cells: JAM54S41-xxx/LR (xxx=420-445, in steps of 5)

72 cells: JAM72S42-xxx/LR (xxx=600-655, in steps of 5)

66 cells: JAM66S42-xxx/MR (xxx=550-600, in steps of 5)

60 cells: JAM60S42-xxx/LR (xxx=500-545, in steps of 5)

54 cells: JAM54S42-xxx/LR (xxx=450-490, in steps of 5)

72 cells: JAM72S43-xxx/LR (xxx=595-635, in steps of 5)

66 cells: JAM66S43-xxx/MR (xxx=545-585, in steps of 5)

60 cells: JAM60S43-xxx/LR (xxx=495-530, in steps of 5)

54 cells: JAM54S43-xxx/LR (xxx=445-475, in steps of 5)

72 cells: JAM72S40-xxx/MR (xxx=580-615, in steps of 5)

54 cells: JAM54S40-xxx/MR (xxx=435-450, in steps of 5)

Maximum system voltage: 1500V



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Maximum overcurrent protection rating: 25A

Electrical protection class: Class II

Module types: **PV Modules with 210mm TOPCon Mono-crystalline Silicon 1/2-cut Solar Cells:**

66 cells: JAM66S45-xxx/LR (xxx=600-635, in steps of 5)

Maximum system voltage: 1500V

Maximum overcurrent protection rating: 30A

Electrical protection class: Class II

Module types: **PV Modules with 182mm Mono-crystalline Silicon 1/5-cut Solar Cells:**

76 cells: JAM76S11-xxx/PR(B)/1500V (xxx=395-415, in steps of 5)

Maximum system voltage: 1500V

Maximum overcurrent protection rating: 25A

Electrical protection class: Class II

Module types: **PV Modules with Poly-crystalline Silicon Solar Cells (156mm to 158.75mm):**

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)

72 cells: JAP6(DG)-72-xxx/4BB/1500V (xxx=305-325, in steps of 5)

72 cells: JAP6(DG)-72-xxx/3BB/1500V (xxx=305-315, in steps of 5)

72 cells: JAP6(DG)-72-xxx/4BB/RE/1500V (xxx=310-335, in steps of 5)

72 cells: JAP6(K)(DG)-72-xxx/4BB/1500V (xxx=310-335, in steps of 5)  
 72 cells: JAP72D00-xxx/SC (xxx=305-345, in steps of 5)  
 72 cells: JAP72D00-xxx/SC/1500V (xxx=310-340, in steps of 5)  
 72 cells: JAP72D00-xxx/PR (xxx=330-350, in steps of 5)  
 72 cells: JAP72D00-xxx/PR/1500V (xxx=330-345, in steps of 5)  
 72 cells: JAP72D09-xxx/SC (xxx=325-345, in steps of 5)  
 72 cells: JAP72D09-xxx/SC/1500V (xxx=330-345, in steps of 5)  
 60 cells: JAP6(DG)-60-xxx/4BB/1500V (xxx=250-275, in steps of 5)  
 60 cells: JAP6(DG)-60-xxx/3BB/1500V (xxx=245-265, in steps of 5)  
 60 cells: JAP6(DG)-60-xxx/4BB/RE/1500V (xxx=255-280, in steps of 5)  
 60 cells: JAP6(K)(DG)-60-xxx/4BB/1500V (xxx=255-280, in steps of 5)  
 60 cells: JAP60D00-xxx/SC (xxx=255-290, in steps of 5)  
 60 cells: JAP60D00-xxx/SC/1500V (xxx=260-285, in steps of 5)  
 60 cells: JAP60D00-xxx/PR (xxx=275-290, in steps of 5)  
 60 cells: JAP60D00-xxx/PR/1500V (xxx=275-290, in steps of 5)  
 60 cells: JAP60D09-xxx/SC (xxx=270-290, in steps of 5)  
 60 cells: JAP60D09-xxx/SC/1500V (xxx=275-290, in steps of 5)

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

#### Module types:

#### PV Modules with Poly-crystalline Silicon half-cut Solar Cells (156mm to 158.75mm):

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  
 Maximum overcurrent protection rating: 20A



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Module types: **PV Modules with Mono-crystalline Silicon Solar Cells (156mm to 158.75mm):**

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

Maximum overcurrent protection rating: 20A

Electrical protection class: Class II

Module types: **PV Modules with Mono-crystalline Silicon half-cut Solar Cells (156mm to 158.75mm):**

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=390-430, in steps of 5)  
72 cells: JAM72S17-xxx/MR (xxx=390-430, in steps of 5)  
72 cells: JAM72S17-xxx/GR (xxx=385-400, 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: JAM72S08-xxx/PR (xxx=360-395, 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)



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	60 cells: JAM60S10-xxx/PR (xxx=315-345, in steps of 5)
	60 cells: JAM60S10-xxx/MR (xxx=325-355, 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=315-355, 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
Maximum overcurrent protection rating:	20A
Electrical protection class:	Class II

Module types: **PV Modules with Mono-crystalline Silicon half-cut Solar Cells (166mm to 168mm):**

	72 cells: JAM72S20-xxx/MR (xxx=430-470, 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=355-390, in steps of 5)
	60 cells: JAM60S20-xxx/MB (xxx=375-390, in steps of 5)
Maximum system voltage:	1000V or 1500V
Maximum overcurrent protection rating:	20A
Electrical protection class:	Class II

Module types: **PV Modules with 182mm Mono-crystalline Silicon half-cut Solar Cells:**

78 cells: JAM78S30-xxx/MR (xxx=580-605, in steps of 5)
72 cells: JAM72S30-xxx/MR (xxx=510-560, in steps of 5)
66 cells: JAM66S30-xxx/MR (xxx=470-510, in steps of 5)
60 cells: JAM60S30-xxx/MR (xxx=435-460, in steps of 5)
54 cells: JAM54S30-xxx/MR (xxx=390-425, in steps of 5)
78 cells: JAM78S30-xxx/GR (xxx=575-610, in steps of 5)
72 cells: JAM72S30-xxx/GR (xxx=510-560, in steps of 5)
66 cells: JAM66S30-xxx/GR (xxx=500-510, in steps of 5)
60 cells: JAM60S30-xxx/GR (xxx=445-470, in steps of 5)
54 cells: JAM54S30-xxx/GR (xxx=400-420, 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=385-415, in steps of 5)  
 78 cells: JAM78S31-xxx/GR (xxx=570-590, in steps of 5)  
 72 cells: JAM72S31-xxx/GR (xxx=510-545, 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=395-415, in steps of 5)  
 72 cells: JAM72S40-xxx/GR (xxx=540-575, in steps of 5)  
 66 cells: JAM66S40-xxx/GR (xxx=495-525, in steps of 5)  
 60 cells: JAM60S40-xxx/GR (xxx=450-480, in steps of 5)  
 54 cells: JAM54S40-xxx/GR (xxx=405-430, in steps of 5)  
 72 cells: JAM72S41-xxx/GR (xxx=540-570, in steps of 5)  
 66 cells: JAM66S41-xxx/GR (xxx=495-525, in steps of 5)  
 60 cells: JAM60S41-xxx/GR (xxx=450-475, in steps of 5)  
 54 cells: JAM54S41-xxx/GR (xxx=405-430, in steps of 5)  
 72 cells: JAM72S30-xxx/LR (xxx=555-580, in steps of 5)  
 54 cells: JAM54S30-xxx/LR (xxx=415-435, in steps of 5)  
 54 cells: JAM54S31-xxx/LR (xxx=415-425, in steps of 5)  
 72 cells: JAM72S30-xxx/MB (xxx=535-550, in steps of 5)  
 72 cells: JAM72S31-xxx/MB (xxx=525-540, in steps of 5)  
 54 cells: JAM54S30-xxx/MB (xxx=385-410, in steps of 5)  
 54 cells: JAM54S31-xxx/MB (xxx=385-405, in steps of 5)  
 54 cells: JAM54S30-xxx/LB (xxx=410-425, in steps of 5)  
 54 cells: JAM54S31-xxx/LB (xxx=410-415, in steps of 5)  
 72 cells: JAM72S40-xxx/MR (xxx=560-590, in steps of 5)

Maximum system voltage: 1000V or 1500V

Maximum overcurrent protection rating: 25A

Electrical protection class: Class II

Module types: **PV Modules with 210mm Mono-crystalline Silicon 1/3-cut Solar Cells:**

50 cells: JAM50S40-xxx/MR (xxx=490-500, in steps of 5)  
 66 cells: JAM66S35-xxx/MR (xxx=650-670, in steps of 5)  
 60 cells: JAM60S35-xxx/MR (xxx=590-610, in steps of 5)

Maximum system voltage: 1000V or 1500V

Maximum overcurrent protection rating: 25A



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Module types: **PV Modules with 182mm Mono-crystalline Silicon 1/5-cut 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

Maximum overcurrent protection rating: 25A

Electrical protection class: Class II

Module types: **PV Modules with Poly-crystalline Silicon Solar Cells (156mm to 158.75mm):**

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

Maximum overcurrent protection rating: 20A

Electrical protection class: Class II

Module types: **PV Modules with Poly-crystalline Silicon half-cut Solar Cells (156mm to 158.75mm):**

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)



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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

Maximum overcurrent protection rating: 20A

Electrical protection class: Class II

Remark:

For detailed product information, please refer to CDF (Constructional Data Form).



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