

# 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: 2024-02-18  
Valid until: 2026-09-29

Certification program:	P12-VA-01 Rev. 17 09.20
Certification fundamental(s):	P12.4-AA-04 Rev. 00 (IEC 60068-2-68:1994 modified)
Remark:	Test Method Lc; Dust concentration: $5 \pm 1.5 \text{g/m}^3$ ; Wind velocity: $20 \pm 2 \text{m/s}$ ; Test duration: 4 hours each side. 44 780 23 406749 - 193R5A3M6
Registered No.:	See Annex 1
Manufacturer and factory(-ies):	492012553.007
Test Report No.:	PVP02019/24P-03
File No.:	



Essen, 2024-02-18

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**Consumer Products**



Please also pay attention to the information stated overleaf.

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

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

Factory 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.: 862010153.011

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

Factory inspection report no.: 862010241.010

Factory 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.: 862010290.008

Factory 4: **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.: 862010496.004

Factory 5: **Yiwu JA Solar Technology Co., Ltd.**  
No. 165, Tongze Road, Yiting Town, Yiwu City,  
Zhejiang Province, 322000, P.R. China.

Factory inspection report no.: 862010513.004

Factory 6: **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.: 862010560.003



Factory 7:	<b>JA Solar New Energy Yangzhou Co., Ltd. (Jingshan Park)</b> No.123, Jinshan Road, Economic Development Zone, Yangzhou, Jiangsu Province, 225127, P.R. China
Factory inspection report no.:	862010584.003
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.:	862010735.001
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.:	862010802.001
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.:	862010866.001
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.:	862010874.001

Remark:

Factory inspection is mandatory to be performed annually. Please refer to factory inspection report for detailed information.



**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  
Fuse rating: 20A  
Application class: Class A  
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  
Fuse rating: 10A  
Application class: Class A  
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)  
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  
Fuse rating: 20A  
Application class: Class A  
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/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  
Fuse rating: 25A  
Application class: Class A  
Electrical protection class: Class II

Module types:

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

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)



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54 cells: JAM54S31-xxx/MR/1000V (xxx=385-415, in steps of 5)  
78 cells: JAM78S31-xxx/GR/1000V (xxx=575-590, 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=395-415, 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  
Fuse rating: 25A  
Application class: Class A  
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  
Fuse rating: 25A  
Application class: Class A  
Electrical protection class: Class II



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

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



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Fuse rating: 20A  
Application class: Class A  
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/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 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)



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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)  
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  
Fuse rating: 20A  
Application class: Class A  
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  
Fuse rating: 20A  
Application class: Class A  
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/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  
Fuse rating: 25A  
Application class: Class A  
Electrical protection class: Class II

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

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=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)



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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)  
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=580-640, in steps of 5)  
78 cells: JAM78D40-xxx/MB/1500V (xxx=580-640, in steps of 5)  
72 cells: JAM72D40-xxx/MB (xxx=540-590, in steps of 5)  
72 cells: JAM72D40-xxx/MB/1500V (xxx=540-590, in steps of 5)  
66 cells: JAM66D40-xxx/MB (xxx=500-535, in steps of 5)  
66 cells: JAM66D40-xxx/MB/1500V (xxx=500-535, in steps of 5)  
60 cells: JAM60D40-xxx/MB (xxx=455-485, in steps of 5)  
60 cells: JAM60D40-xxx/MB/1500V (xxx=455-485, in steps of 5)  
54 cells: JAM54D40-xxx/MB (xxx=405-440, in steps of 5)  
54 cells: JAM54D40-xxx/MB/1500V (xxx=405-440, in steps of 5)  
78 cells: JAM78D40-xxx/GB (xxx=580-640, in steps of 5)  
78 cells: JAM78D40-xxx/GB/1500V (xxx=580-640, in steps of 5)  
72 cells: JAM72D40-xxx/GB (xxx=540-590, in steps of 5)  
72 cells: JAM72D40-xxx/GB/1500V (xxx=540-590, in steps of 5)  
66 cells: JAM66D40-xxx/GB (xxx=500-535, in steps of 5)  
66 cells: JAM66D40-xxx/GB/1500V (xxx=500-535, in steps of 5)  
60 cells: JAM60D40-xxx/GB (xxx=455-485, in steps of 5)  
60 cells: JAM60D40-xxx/GB/1500V (xxx=455-485, in steps of 5)  
54 cells: JAM54D40-xxx/GB (xxx=405-440, in steps of 5)  
54 cells: JAM54D40-xxx/GB/1500V (xxx=405-440, 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=540-595, in steps of 5)



66 cells: JAM66D42-xxx/MB/1500V (xxx=540-595, in steps of 5)

Maximum system voltage: 1500V

Fuse rating: 25A or 30A

Application class: Class A

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=560-600, in steps of 5)

72 cells: JAM72D40-xxx/LB/1500V (xxx=560-600, in steps of 5)

60 cells: JAM60D40-xxx/LB (xxx=485-500, in steps of 5)

60 cells: JAM60D40-xxx/LB/1500V (xxx=485-500, in steps of 5)

54 cells: JAM54D40-xxx/LB (xxx=420-450, in steps of 5)

54 cells: JAM54D40-xxx/LB/1500V (xxx=420-450, in steps of 5)

54 cells: JAM54D40-xxx/LR (xxx=420-450, in steps of 5)

54 cells: JAM54D40-xxx/LR/1500V (xxx=420-450, in steps of 5)

54 cells: JAM54D41-xxx/LB (xxx=420-440, in steps of 5)

54 cells: JAM54D41-xxx/LB/1500V (xxx=420-440, in steps of 5)

72 cells: JAM72D42-xxx/LB (xxx=590-640, in steps of 5)

72 cells: JAM72D42-xxx/LB/1500V (xxx=590-640, in steps of 5)

60 cells: JAM60D42-xxx/LB (xxx=500-525, in steps of 5)

60 cells: JAM60D42-xxx/LB/1500V (xxx=500-525, in steps of 5)

54 cells: JAM54D42-xxx/LB (xxx=455-470, in steps of 5)

54 cells: JAM54D42-xxx/LB/1500V (xxx=455-470, in steps of 5)

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=585-620, in steps of 5)

66 cells: JAM66D45-xxx/LB /1500V (xxx=585-620, 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

Fuse rating: 25A

Application class: Class A

Electrical protection class: Class II



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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  
Fuse rating: 25A  
Application class: Class A  
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)

Maximum system voltage: 1500V  
Fuse rating: 25A  
Application class: Class A  
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  
Fuse rating: 25A  
Application class: Class A  
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  
Fuse rating: 20A  
Application class: Class A  
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/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

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

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Fuse rating: 20A  
Application class: Class A  
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)  
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  
Fuse rating: 20A  
Application class: Class A  
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)



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Maximum system voltage: 1000V or 1500V  
Fuse rating: 20A  
Application class: Class A  
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=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=395-415, 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)



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

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  
Fuse rating: 25A  
Application class: Class A  
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  
Fuse rating: 20A  
Application class: Class A  
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)  
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).



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