

# 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: 2026-11-11

Certification program:	P12-VA-01 Rev. 17 09.20
Certification fundamental(s):	IEC 61701:2020 / EN IEC 61701:2020
Remark:	Test Method 8 Test duration: 1440 hours
Registered No.:	44 780 21 406749 - 243R2A2M2
Manufacturer and factory(-ies):	See Annex 1
Test Report No.:	492011850.003
File No.:	PVP02031/24P



**TÜV NORD CERT GmbH**  
**Certification Body**  
**Consumer Products**



Essen, 2024-02-18

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.:	862010153.011
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.:	862010241.010
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.:	862010290.008
Factory 4:	<b>JA Solar New Energy Yangzhou Co., Ltd.</b> No.1, Jianhua Road, Economic Development Zone Yangzhou, Jiangsu Province, 225000, P.R. China
Factory inspection report no.:	862010496.004
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.:	862010513.004
Factory 6:	<b>JA Solar Viet Nam Company Limited</b> 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:	<b>PV Modules with Mono-crystalline Silicon Solar Cells (156mm to 158.75mm):</b> 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

Module types:	<b>PV Modules with Mono-crystalline Silicon half-cut Solar Cells (156mm to 158.75mm):</b> 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)
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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)  
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 182mm Mono-crystalline Silicon half-cut Solar Cells:**

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=575-600, in steps of 5)  
72 cells: JAM72D40-xxx/LB/1500V (xxx=575-600, 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



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Fuse rating: 25A or 30A  
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: 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: 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: 30A  
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(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=310-340, in steps of 5)  
72 cells: JAP72D00-xxx/SC/1500V (xxx=310-340, in steps of 5)  
72 cells: JAP72D00-xxx/PR (xxx=330-345, in steps of 5)  
72 cells: JAP72D00-xxx/PR/1500V (xxx=330-345, in steps of 5)  
72 cells: JAP72D09-xxx/SC (xxx=330-345, 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=260-285, 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

Remark:

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



**TÜV NORD CERT GmbH**  
**Certification Body**  
**Consumer Products**