

To:

Company: Shanghai JA Solar Technology Co., Ltd.

Contact: Ms. Zhixia Xie

Email: xiezx@jasolar.com

From:

Company: TÜV NORD (HANGZHOU) CO., LTD.

Contact: Ms. Miley Li

Email: wli@tuv-nord.com

2020-10-15

Subject: Declaration of cancellation

File No.: PVP06035/20P-03

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

Manufacturer 1: **Shanghai JA Solar Technology Co., Ltd.**
No. 118, Lane 3111, West Huancheng Road, Fengxian District
Shanghai, 201401, P.R. China

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

Manufacturer 3: **JA Solar Co., Ltd.**
5th Jinglong Industrial Park, No 123 Xinxing Road
Ningjin, Xingtai City, Hebei Province, P.R. China

Manufacturer 4: **JA Solar (Xingtai) Co., Ltd.**
No. 1688, Chang An Road, Xingtai Economic Development Area
Xingtai City, Hebei Province, 054001, P.R. China

Manufacturer 5: **Vina Solar Technology Co., Ltd.**
E12 factory, lot CN-03, Van Trung Industrial park,
21000 Bac Giang Province, Vietnam

Manufacturer 6: **Philadelphia Solar LTD. CO**
Al Qastal Industrial Area, Air freight Road, 11814 Amman, Jordan

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

Certificate No.: 44 780 19 406749 - 305R3A2M2

Product: Crystalline Silicon Terrestrial Photovoltaic (PV) Modules

Herewith it is declared, that the above noted certificate(s) has (have) been invalidated since the date 2020-10-15.

The cancellation is to:

☐ License holder applied for cancellation.

☒ New certificate(s) has (have) been issued to replace the cancelled one(s).
(New certificate(s) : 44 780 19 406749 - 305R4A3M3)

- ☐ Annual factory inspection is refused by the license holder or the manufacturer.
☐ Factory Inspection fee or annual fee or registration fee is not paid by License Holder or Manufacturer.
☐ Others. (N/A)

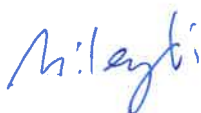
Please pay attention to stop using the invalid certificate(s) from 2020-10-15. Meanwhile, please send back the original copies of above mentioned certificate(s) to us.

TÜV NORD reserved the right of final explanation about the cancellation of certificate(s). TÜV NORD will not take any responsibility for the circumstance of misusing the invalid certificate(s) by the license holder or the manufacturer.

PV Business - Renewable Energy
TÜV NORD (Hangzhou) Co., Ltd.

Miley Li

Technical Support



CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

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

is authorized to provide the product mentioned below with the mark as illustrated:

Description of product (details see Annex 2):

PV Modules with 6" Mono-crystalline Silicon Solar Cells

PV Modules with 6" Poly-crystalline Silicon Solar Cells

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

PV Modules with half-cut 7" Mono-crystalline Silicon Solar Cells



Valid from: 2020-10-15

Valid until: 2021-10-25

Tested according to: P12.4-AA-04 Rev. 00
(IEC 60068-2-68:1994 modified)
Remark: Test Method Lc;
Dust concentration: $5 \pm 0.5 \text{ g/m}^3$;
Wind velocity: $20 \pm 2 \text{ m/s}$;
Test duration: 4 hours each side.
Registered No.: 44 780 19 406749 - 305R4A3M3
Manufacturer: see Annex 1
Test Report No.: 492010720.013
File No.: PVP07071/20P-03



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Essen, 2020-10-15

Please also pay attention to the information stated overleaf.

Manufacturer:

Manufacturer 1:	Shanghai JA Solar Technology Co., Ltd. No. 118, Lane 3111, West Huancheng Road, Fengxian District Shanghai 201401, P.R. China
Factory inspection report no.:	862010153.008
Manufacturer 2:	Hefei JA Solar Technology Co., Ltd. No. 999, Chang Ning Road, Hi-tech Zone, Hefei 230088, P.R. China
Factory inspection report no.:	862010241.006
Manufacturer 3:	JA Solar Co., Ltd. Jinglong Street, Ningjin County Xingtai, Hebei, 055550, P.R. China
Factory inspection report no.:	862010244.007
Manufacturer 4:	JA Solar (Xingtai) Co., Ltd. No. 1688, Chang An Road, Xingtai Economic Development Area Xingtai City, Hebei Province, 054001, P.R. China
Factory inspection report no.:	862010290.005
Manufacturer 5:	Vina Solar Technology Co., Ltd. E12 factory, lot CN-03, Van Trung Industrial park, 21000 Bac Giang Province, Vietnam
Factory inspection report no.:	862010302.004
Manufacturer 6:	Philadelphia Solar LTD. CO Al Qastal Industrial Area, Air freight Road, 11814 Amman, Jordan
Factory inspection report no.:	862010431.001



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Consumer Products

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

Factory inspection report no.: 862010496.001

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

Factory inspection report no.: 862010513.001

Remark:

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



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Description of product(s):

Module types:

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

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=330-385, 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=340-390, in steps of 5)
72 cells: JAM72D00-xxx/BP/1500V (xxx=330-385, in steps of 5)
72 cells: JAM72D00-xxx/MB (xxx=360-380, 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=270-320, 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=285-330, in steps of 5)
60 cells: JAM60D00-xxx/BP/1500V (xxx=275-320, in steps of 5)
60 cells: JAM60D00-xxx/MB (xxx=295-315, 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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Consumer Products

Module types:

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

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 half-cut 6" Mono-crystalline Silicon Solar Cells:
	72 cells: JAM72D10-xxx/MB (xxx=375-420, in steps of 5)
	72 cells: JAM72D10-xxx/MB/1500V (xxx=385-420, in steps of 5)
	60 cells: JAM60D10-xxx/MB (xxx=320-350, in steps of 5)
	60 cells: JAM60D10-xxx/MB/1500V (xxx=320-350, 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)
	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 or 25A
Application class:	Class A
Electrical protection class:	Class II



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Module types:	PV Modules with half-cut 7" Mono-crystalline Silicon Solar Cells: 72 cells: JAM72D30-xxx/MB (xxx=505-545, in steps of 5) 72 cells: JAM72D30-xxx/MB/1500V (xxx=505-545, in steps of 5) 66 cells: JAM66D30-xxx/MB (xxx=465-500, in steps of 5) 66 cells: JAM66D30-xxx/MB/1500V (xxx=465-500, in steps of 5) 60 cells: JAM60D30-xxx/MB (xxx=435-455, in steps of 5) 60 cells: JAM60D30-xxx/MB/1500V (xxx=435-455, in steps of 5)
Maximum system voltage:	1500V
Fuse rating:	30A
Application class:	Class A
Electrical protection class:	Class II

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 1 of test report.



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