

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

2019-04-28

Subject: Declaration of cancellation

File No.: SHV06059/18-06

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

Manufacturer4: **JA Solar (Xingtai) Co., Ltd.**
No. 1688, Chang An Road, Xingtai Economic Development Area
Xingtai City, Hebei Province, 054001, P.R. China

Manufacturer5: **Vina Solar Technology Co., Ltd.**
E12 factory, lot CN-03, Van Trung Industrial park,
21000 Bac Giang Province, Vietnam

Certificate No.: 44 780 19 406749 - 014

Product: Crystalline Silicon Terrestrial Photovoltaic (PV) Modules

Herewith it is declared, that the above noted certificate(s) has (have) been invalidated since the date 2019-04-28.

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 - 118)
- ☐ 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 2019-04-28. 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

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

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;

Registered No.: 44 780 19 406749 - 118
Manufacturer: see Annex 1
Test Report No.: 492010720.007
File No.: SHV11077/18-06



Valid from: 2019-04-28

Valid until: 2021-10-25



Essen, 2019-04-28



TÜV NORD CERT GmbH
Certification Body
Consumer Products

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.:	862010153.007
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.:	862010241.005
Manufacturer 3:	JingAo Solar Co., Ltd. 5 th Jinglong Industrial Park, No. 123 Xinxing Road Ningjin, Xingtai City, Hebei Province, 055550, P.R. China
Factory inspection report no.:	862010244.005
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.:	862010290.003
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.:	862010302.003

Remark:

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



TÜV NORD CERT GmbH
Certification Body
Consumer Products

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=330-375, 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/MB (xxx=360-380, in steps of 5)
72 cells: JAM72D09-xxx/BP (xxx=360-385, 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=270-315, 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/MB (xxx=295-315, in steps of 5)
60 cells: JAM60D09-xxx/BP (xxx=300-320, in steps of 5)

Maximum system voltage:

1500V

Fuse rating:

20A

Application class:

Class A

Electrical protection class:

Class II



TÜV NORD CERT GmbH
Certification Body
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/PR (xxx=330-350, 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/PR (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) in Annex 1 of test report.



TÜV NORD CERT GmbH
Certification Body
Consumer Products