

To:
Company: ZNShine PV-tech Co., Ltd.
Contact: Mr. Yang Jian
Email: yangjian@znshinesolar.com

From:
Company: TÜV NORD (HANGZHOU) CO., LTD.
Contact: Ms. Miley Li
Email: wli@tuv-nord.com

2020-03-31

Subject: Declaration of cancellation

File No.: SHV10027/19-01
License holder: **ZNShine PV-tech Co., Ltd.**
No.1, South Zhenxing Road, Industrial Zone, Zhixi Town
Jintan District, Changzhou City, Jiangsu Province, China
Manufacturer: **ZNShine PV-tech Co., Ltd.**
No.1, South Zhenxing Road, Industrial Zone, Zhixi Town
Jintan District, Changzhou City, Jiangsu Province, China
Certificate No.: 44 780 19 406749 - 429; 44 780 19 406749 - 430
Product: Crystalline Silicon Terrestrial Photovoltaic (PV) Modules

Herewith it is declared, that the above noted certificate(s) has (have) been invalidated since the date 2020-03-31.

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 - 429M1; 44 780 19 406749 - 430M1)
 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 2020-03-31. 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

TÜV NORD (Hangzhou) Co., Ltd.
杭州天德质量认证服务有限公司
Member of TÜV NORD Group
TÜV NORD 集团成员之一

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Hangzhou City, Zhejiang Province, 310019, P.R. China
中国浙江省杭州市九环路50号5楼

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+86 (0)571 85386986

Website / 网站:
www.tuv-nord.com
www.tuv-nord.com/cn
www.tuev-nord-cert.de

CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

ZNShine PV-tech Co., Ltd.
No.1, South Zhenxing Road, Industrial Zone, Zhixi Town
Jintan District, Changzhou City, Jiangsu Province
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" Half-cut Mono-crystalline Silicon Solar Cells



Valid from: 2020-03-31
Valid until: 2024-01-02

Tested according to: IEC / EN 61215-1:2016;
IEC / EN 61215-1-1:2016;
IEC 61215-2:2016 / EN 61215-2:2017 + AC:2017 + AC:2018;
IEC 61730-1:2016 / EN IEC 61730-1:2018 + AC:2018;
IEC 61730-2:2016 / EN IEC 61730-2:2018 + AC:2018.

Registered No.: 44 780 19 406749 - 429M1
Manufacturer: see Annex 1
Test Report No.: 492011169.005
File No.: SHV03042/20-01



TÜV NORD CERT GmbH
Certification Body
Consumer Products



Essen, 2020-03-31

Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: 44 780 19 406749 - 429M1

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Aktenzeichen: / File reference: SHV03042/20-01

2020-03-31

Manufacturer:

Manufacturer:

ZNShine PV-tech Co., Ltd.

No.1, South Zhenxing Road, Industrial Zone, Zhixi Town
Jintan District, Changzhou City, Jiangsu Province, China

Factory inspection report no.:

862010370.002

Remark:

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

A handwritten signature in blue ink, appearing to read "Rosenkranz".

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Certification Body
Consumer Products

Description of product(s):

Module types:	PV Modules with 6" Mono-crystalline Silicon Solar Cells: 72 cells: ZXM6-T72-xxx/M (xxx = 360, 365, 370, 375, 380) 72 cells: ZXM6-72-xxx/M (xxx = 340, 345, 350, 355, 360, 365, 370, 375, 380, 385, 390, 395) 66 cells: ZXM6-66-xxx/M (xxx = 310, 315, 320, 325, 330, 335, 340, 345, 350, 355, 360) 60 cells: ZXM6-T60-xxx/M (xxx = 300, 305, 310, 315) 60 cells: ZXM6-60-xxx/M (xxx = 280, 285, 290, 295, 300, 305, 310, 315, 320, 325, 330)
Maximum system voltage:	1500V
Fuse rating:	15A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative)*:	3600Pa / 1600Pa or 2400Pa / 2400Pa
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)
Module types:	PV Modules with 6" Half-cut Mono-crystalline Silicon Solar Cells: 144 cells: ZXM6-H144-xxx/M (xxx = 335, 340, 345, 350, 355, 360, 365, 370, 375, 380, 385, 390, 395, 400, 405) 144 cells: ZXM6-P144-xxx/M (xxx = 335, 340, 345, 350, 355, 360, 365, 370, 375, 380, 385, 390, 395, 400, 405) 132 cells: ZXM6-H132-xxx/M (xxx = 310, 315, 320, 325, 330, 335, 340, 345, 350, 355, 360, 365, 370) 132 cells: ZXM6-P132-xxx/M (xxx = 310, 315, 320, 325, 330, 335, 340, 345, 350, 355, 360, 365, 370) 120 cells: ZXM6-H120-xxx/M (xxx = 280, 285, 290, 295, 300, 305, 310, 315, 320, 325, 330, 335) 120 cells: ZXM6-P120-xxx/M (xxx = 280, 285, 290, 295, 300, 305, 310, 315, 320, 325, 330, 335)
Maximum system voltage:	1500V
Fuse rating:	15A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative)*:	3600Pa / 1600Pa



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Safety factors: 1.5

Fire safety class: Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)

Remark:

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

* For detailed design load of the products, please refer to CDF (Constructional Data Form) in Annex 1 of test report.

A handwritten signature in blue ink, appearing to read "Roberto".

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Certification Body
Consumer Products

CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

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No.1, South Zhenxing Road, Industrial Zone, Zhixi Town
Jintan District, Changzhou City, Jiangsu Province
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" Poly-crystalline Silicon Solar Cells

PV Modules with 6" Half-cut Poly-crystalline Silicon Solar Cells



Valid from: 2020-03-31

Valid until: 2024-01-02

Tested according to: IEC / EN 61215-1:2016;
IEC / EN 61215-1-1:2016;
IEC 61215-2:2016 / EN 61215-2:2017 + AC:2017 + AC:2018;
IEC 61730-1:2016 / EN IEC 61730-1:2018 + AC:2018;
IEC 61730-2:2016 / EN IEC 61730-2:2018 + AC:2018.

Registered No.: 44 780 19 406749 - 430M1

Manufacturer: see Annex 1

Test Report No.: 492011169.005

File No.: SHV03042/20-01



TÜV NORD CERT GmbH
Certification Body
Consumer Products



Essen, 2020-03-31

Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: 44 780 19 406749 - 430M1

Seite / Page 1 von / of 1

Aktenzeichen: / File reference: SHV03042/20-01

2020-03-31

Manufacturer:

Manufacturer:

ZNShine PV-tech Co., Ltd.

No.1, South Zhenxing Road, Industrial Zone, Zhixi Town
Jintan District, Changzhou City, Jiangsu Province, China

Factory inspection report no.:

862010370.002

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" Poly-crystalline Silicon Solar Cells: 72 cells: ZXP6-T72-xxx/P (xxx = 330, 335, 340, 345, 350) 72 cells: ZXP6-72-xxx/P (xxx = 315, 320, 325, 330, 335, 340, 345, 350, 355) 66 cells: ZXP6-66-xxx/P (xxx = 290, 295, 300, 305, 310, 315, 320, 325) 60 cells: ZXP6-T60-xxx/P (xxx = 275, 280, 285, 290) 60 cells: ZXP6-60-xxx/P (xxx = 260, 265, 270, 275, 280, 285, 290, 295)
Maximum system voltage:	1500V
Fuse rating:	15A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative)*:	3600Pa / 1600Pa or 2400Pa / 2400Pa
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)
Module types:	PV Modules with 6" Half-cut Poly-crystalline Silicon Solar Cells: 144 cells: ZXP6-H144-xxx/P (xxx = 310, 315, 320, 325, 330, 335, 340, 345, 350, 355, 360, 365, 370) 144 cells: ZXP6-P144-xxx/P (xxx = 310, 315, 320, 325, 330, 335, 340, 345, 350, 355, 360, 365, 370) 132 cells: ZXP6-H132-xxx/P (xxx = 285, 290, 295, 300, 305, 310, 315, 320, 325, 330, 335, 340) 132 cells: ZXP6-P132-xxx/P (xxx = 285, 290, 295, 300, 305, 310, 315, 320, 325, 330, 335, 340) 120 cells: ZXP6-H120-xxx/P (xxx = 260, 265, 270, 275, 280, 285, 290, 295, 300, 305) 120 cells: ZXP6-P120-xxx/P (xxx = 260, 265, 270, 275, 280, 285, 290, 295, 300, 305)
Maximum system voltage:	1500V
Fuse rating:	15A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative)*:	3600Pa / 1600Pa
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)



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Remark:

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

* For detailed design load of the products, please refer to CDF (Constructional Data Form) in Annex 1 of test report.

A handwritten signature in blue ink, appearing to read "Rohmann".

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