

To:

Company: Leapon Solar (Changzhou) Co., Ltd.
Contact: Mr. Weidong Jiang
Email: weidong.jiang@leaptonenergy.com

From:

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

2020-06-22

Subject: Declaration of cancellation

File No.: PVP05024/20P
License holder: **Leapton Solar (Changshu) Co., Ltd.**
No.55 Sunshine Avenue, Yushan High-tech Industrial Park,
Changshu City, Jiangsu Province, 215500, P.R. China
Manufacturer: **Leapton Solar (Changshu) Co., Ltd.**
No.55 Sunshine Avenue, Yushan High-tech Industrial Park,
Changshu City, Jiangsu Province, 215500, P.R. China
Certificate No.: 44 780 19 406749 - 229M4 & 44 780 19 406749 - 228R1M4.
Product: Crystalline Silicon Terrestrial Photovoltaic (PV) Modules

Herewith it is declared, that the above noted certificate(s) has (have) been invalidated since the date 2020-06-22.

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 - 229M5 & 44 780 19 406749 - 228R1M5)
☐ 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 2020-06-22. 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.
杭州汉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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+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

Leapton Solar (Changshu) Co., Ltd.

No.55 Sunshine Avenue, Yushan High-tech Industrial Park
Changshu City, Jiangsu Province, 215500
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" Poly-crystalline Silicon Solar Cells

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



Valid from: 2020-06-19

Valid until: 2023-05-09

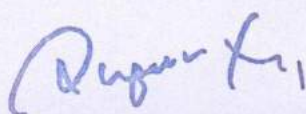
Tested according to: IEC / EN 61215-1:2016;
IEC / EN 61215-1-1:2016;
IEC 61215-2:2016 / EN 61215-2:2017 + AC:2017 + AC:2018;
IEC 61730-1:2016 / EN IEC 61730-1:2018 + AC:2018;
IEC 61730-2:2016 / EN IEC 61730-2:2018 + AC:2018.

Registered No.: 44 780 19 406749 - 229M5

Manufacturer: see Annex 1

Test Report No.: 492011007.008

File No.: SHV03102/20-01



TÜV NORD CERT GmbH
Certification Body
Consumer Products



Essen, 2020-06-19

Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: 44 780 19 406749 - 229M5

Seite / Page 1 von / of 1

Aktenzeichen: / File reference: SHV03102/20-01

2020-06-19

Manufacturer:

Manufacturer:

Leapton Solar (Changshu) Co., Ltd.

No.55 Sunshine Avenue, Yushan High-tech Industrial Park,
Changshu City, Jiangsu Province, 215500, P.R. China

Factory inspection report no.:

862010379.003

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 "Rogers".

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: LP156*156-P-72-***W(*** = 310-340, in increment of 5)
 60 cells: LP156*156-P-60-***W(*** = 260-280, in increment of 5)
 54 cells: LP156*156-P-54-***W(*** = 235-255, in increment of 5)
 48 cells: LP156*156-P-48-***W(*** = 205-225, in increment of 5)
 42 cells: LP156*156-P-42-***W(*** = 180-195, in increment of 5)
 36 cells: LP156*156-P-36-***W(*** = 155-170, in increment of 5)
 30 cells: LP156*156-P-30-***W(*** = 130-140, in increment of 5)

Maximum system voltage:

1500V

Fuse rating:

15A

Electrical protection class:

Class II

Pollution degree:

1

Material group:

I

Design load (positive / negative):

5400Pa (positive) / 2400Pa (negative) or
 3600Pa (positive) / 1600Pa (negative)

Safety factors:

1.5

Fire safety class:

Class C according to ANSI/UL 1703-2018 (per ANSI/UL 790-2018)

Module types:

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

144 cells: LP156*156-P-72-H-***W (*** = 335-370, in increment of 5)
 120 cells: LP156*156-P-60-H-***W (*** = 280-305, in increment of 5)

Maximum system voltage:

1500V

Fuse rating:

15A

Electrical protection class:

Class II

Pollution degree:

1

Material group:

I

Design load (positive / negative):

3600Pa (positive) / 1600Pa (negative)

Safety factors:

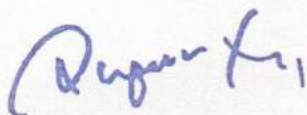
1.5

Fire safety class:

Class C according to ANSI/UL 1703-2018 (per ANSI/UL 790-2018)

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

CERTIFICATE

TÜV NORD CERT GmbH

herewith declares that

Leapton Solar (Changshu) Co., Ltd.

No.55 Sunshine Avenue, Yushan High-tech Industrial Park

Changshu City, Jiangsu Province, 215500

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" Half Cut Mono-crystalline Silicon Solar Cells



Valid from: 2020-06-19

Valid until: 2023-05-09

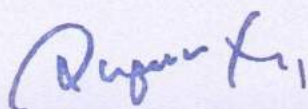
Tested according to: IEC / EN 61215-1:2016;
IEC / EN 61215-1-1:2016;
IEC 61215-2:2016 / EN 61215-2:2017 + AC:2017 + AC:2018;
IEC 61730-1:2016 / EN IEC 61730-1:2018 + AC:2018;
IEC 61730-2:2016 / EN IEC 61730-2:2018 + AC:2018.

Registered No.: 44 780 19 406749 - 228R1M5

Manufacturer: see Annex 1

Test Report No.: 492011007.008

File No.: SHV03102/20-01

A handwritten signature in blue ink.

TÜV NORD CERT GmbH
Certification Body
Consumer Products



Essen, 2020-06-19

Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: **44 780 19 406749 - 228R1M5**

Seite / Page **1 von / of 1**

Aktenzeichen: / File reference: **SHV03102/20-01**

2020-06-19

Manufacturer:

Manufacturer:

Leapton Solar (Changshu) Co., Ltd.

No.55 Sunshine Avenue, Yushan High-tech Industrial Park,
Changshu City, Jiangsu Province, 215500, P.R. China

Factory inspection report no.:

862010379.003

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 "R. J. K.", is positioned above the company name.

TÜV NORD CERT GmbH
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Consumer Products

Description of product(s):

Module types:

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

72 cells: LP156*156-M-72-***W(*** = 310-375, in increment of 5)

60 cells: LP156*156-M-60-***W(*** = 260-310, in increment of 5)

54 cells: LP156*156-M-54-***W(*** = 235-270, in increment of 5)

48 cells: LP156*156-M-48-***W(*** = 205-240, in increment of 5)

42 cells: LP156*156-M-42-***W(*** = 185-210, in increment of 5)

36 cells: LP156*156-M-36-***W(*** = 160-180, in increment of 5)

30 cells: LP156*156-M-30-***W(*** = 135-150, in increment of 5)

Maximum system voltage:

1500V

Fuse rating:

15A

Electrical protection class:

Class II

Pollution degree:

1

Material group:

I

Design load (positive / negative):

5400Pa (positive) / 2400Pa (negative) or
3600Pa (positive) / 1600Pa (negative)

Safety factors:

1.5

Fire safety class:

Class C according to ANSI/UL 1703-2018 (per ANSI/UL 790-2018)

Module types:

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

72 cells: LP158*158-M-72-***W(*** = 380-395, in increment of 5)

60 cells: LP158*158-M-60-***W(*** = 320-330, in increment of 5)

Maximum system voltage:

1500V

Fuse rating:

15A

Electrical protection class:

Class II

Pollution degree:

1

Material group:

I

Design load (positive / negative):

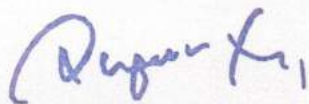
3600Pa (positive) / 1600Pa (negative)

Safety factors:

1.5

Fire safety class:

Class C according to ANSI/UL 1703-2018 (per ANSI/UL 790-2018)



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Module types:	PV Modules with 6" Half Cut Mono-crystalline Silicon Solar Cells: 144 cells: LP158*158-M-72-H-***W (** = 365-400, in increment of 5) 132 cells: LP158*158-M-66-H-***W (** = 335-365, in increment of 5) 120 cells: LP158*158-M-60-H-***W (** = 305-330, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	15A or 20A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	3600Pa (positive) / 1600Pa (negative)
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (per ANSI/UL 790-2018)

Module types:	PV Modules with 6" Half Cut Mono-crystalline Silicon Solar Cells: 144 cells: LP158*158-M-72-MH-***W (** = 390-410, in increment of 5) 132 cells: LP158*158-M-66-MH-***W (** = 360-375, in increment of 5) 120 cells: LP158*158-M-60-MH-***W (** = 325-340, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	15A or 20A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	3600Pa (positive) / 1600Pa (negative)
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (per ANSI/UL 790-2018)

Remark:

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



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