

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

2019-07-24

Subject: Declaration of cancellation

File No.: SHV06124/18-02
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 18 406749 - 099M1 & 44 780 19 406749 - 001M1.
Product: Crystalline Silicon Terrestrial Photovoltaic (PV) Modules

Herewith it is declared, that the above noted certificate(s) has (have) been invalidated since the date 2019-07-26.

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 - 228, 44 780 19 406749 - 229)
☐ 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 2019-07-26. 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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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" Mono-crystalline Silicon Solar Cells

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



Valid from: 2019-07-24

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 - 228

Manufacturer: see Annex 1

Test Report No.: 492011007.004

File No.: SHV03042/19



TÜV NORD CERT GmbH
Certification Body
Consumer Products



Essen, 2019-07-24

Please also pay attention to the information stated overleaf.

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

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Aktenzeichen: / File reference: SHV03042/19

2019-07-24

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.: 862010379.002

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" 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
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) 120 cells: LP158*158-M-60-H-***W (** = 305-330, 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

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" Poly-crystalline Silicon Solar Cells

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



Valid from: 2019-07-24

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 - 229

Manufacturer: see Annex 1

Test Report No.: 492011007.004

File No.: SHV03042/19



TÜV NORD CERT GmbH
Certification Body
Consumer Products



Essen, 2019-07-24

Please also pay attention to the information stated overleaf.

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

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Aktenzeichen: / File reference: SHV03042/19

2019-07-24

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.: 862010379.002

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: 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

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

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 of conformity with the following European Directives

Registered No.:
44 799 19 406749 - 043

Low-Voltage Directive 2014/35/EU

Date of application	File reference	Test report No.	Date of issue	Place of issue
2019-03-15	SHV03042/19	492011007.004	2019-07-24	Essen

This is to certify that the following products comply to the essential requirements of the above mentioned European Directive and the following standards, taking into account the German national deviations:

Product: Crystalline Silicon Terrestrial Photovoltaic (PV) Modules

Type designation: See Annex 1

Applicant: Leapton Solar (Changshu) Co., Ltd.

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

Standard(s): EN IEC 61730-1:2018; EN IEC 61730-1:2018/AC:2018-06
EN IEC 61730-2:2018; EN IEC 61730-2:2018/AC:2018-06

This Certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT GmbH. The holder of this certificate may use this Certificate together with his EC-Declaration of Conformity.



Certification Body
Specialist Manager Consumer Products

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Fon: +49 (0)201 825-5120
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Email: prodcert@tuev-nord.de

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)

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)
120 cells: LP158*158-M-60-H-***W(*** = 305-330, in increment of 5)

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)
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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)



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