

CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

Leapton Solar (Changshu) Co., Ltd.

No. 9, Sunshine Avenue, Yushan High Technology Industry Zone, 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" Half Cut Mono-crystalline Silicon Solar Cells

PV Modules with 7" Half Cut Mono-crystalline Silicon Solar Cells

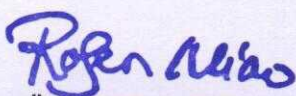
PV Modules with 8" Half Cut Mono-crystalline Silicon Solar Cells



Valid from: 2021-09-23

Valid until: 2024-12-12

Certification program:	P12-VA-01 Rev. 17 09.20
Certification fundamental(s):	P12.4-AA-02 Rev. 00 (IEC TS 62804-1:2015 modified)
Remark:	Test temperature: 85°C; Relative humidity: 85%; Test duration: 96 hours.
Registered No.:	44 780 19 406749 - 404R3A1M3
Manufacturer:	see Annex 1
Test Report No.:	492011339.004
File No.:	PVP05016/21P-02


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Certification Body
Consumer Products



Essen, 2021-09-23

Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: 44 780 19 406749 - 404R3A1M3

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Aktenzeichen: / File reference: PVP05016/21P-02

2021-09-23

Manufacturer:

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Leapton Solar (Changshu) Co., Ltd.

No. 9, Sunshine Avenue, Yushan High Technology Industry Zone,
Changshu City

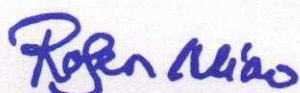
Jiangsu Province, 215500, P.R. China

Factory inspection report no.:

862010379.004

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 "Robin Nilsen".

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Consumer Products

Description of product(s):

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 or 20A
Application class:	Class A
Electrical protection class:	Class II
Module types:	PV Modules with 6" Half Cut Mono-crystalline Silicon Solar Cells: 144 cells: LP166*166-M-72-MH-***W (** = 420-455, in increment of 5) 132 cells: LP166*166-M-66-MH-***W (** = 385-415, in increment of 5) 120 cells: LP166*166-M-60-MH-***W (** = 350-380, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	20A
Application class:	Class A
Electrical protection class:	Class II
Module types:	PV Modules with 7" Half Cut Mono-crystalline Silicon Solar Cells: 156 cells: LP182*182-M-78-MH-***W (** = 560-605, in increment of 5) 144 cells: LP182*182-M-72-MH-***W (** = 515-555, in increment of 5) 132 cells: LP182*182-M-66-MH-***W (** = 475-510, in increment of 5) 120 cells: LP182*182-M-60-MH-***W (** = 430-465, in increment of 5) 108 cells: LP182*182-M-54-MH-***W (** = 390-415, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	25A
Application class:	Class A
Electrical protection class:	Class II

Module types:

PV Modules with 8" Half Cut Mono-crystalline Silicon Solar Cells:

132 cells: LP210*210-M-66-MH-***W (** = 630-670, in increment of 5)

120 cells: LP210*210-M-60-MH-***W (** = 575-610, in increment of 5)

108 cells: LP210*210-M-54-MH-***W (** = 515-545, in increment of 5)

96 cells: LP210*210-M-48-MH-***W (** = 460-485, in increment of 5)

84 cells: LP210*210-M-42-MH-***W (** = 400-425, in increment of 5)

110 cells: LP210*210-M-55-MH-***W (** = 520-555, in increment of 5)

100 cells: LP210*210-M-50-MH-***W (** = 475-505, in increment of 5)

90 cells: LP210*210-M-45-MH-***W (** = 425-455, in increment of 5)

80 cells: LP210*210-M-40-MH-***W (** = 380-400, in increment of 5)

Maximum system voltage: 1500V

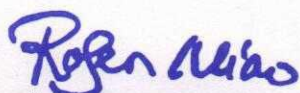
Fuse rating: 30A

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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