

# CERTIFICATE

**TÜV NORD CERT GmbH**  
herewith declares that

**Lepton 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):**

**Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**

|                               |   |
|-------------------------------|---|
| Certification program:        | P12-VA-01 Rev. 17 09.20                   |
| Certification fundamental(s): | IEC 62716:2013 / EN 62716:2013 + AC:2014. |
| Registered No.:               | 44 780 23 406749 - 234                    |
| Manufacturer:                 | see Annex 1                               |
| Test Report No.:              | 492012602.001                             |
| File No.:                     | PVP04137/23P-06                           |

Valid until: 2028-07-30



**TÜV NORD CERT GmbH**  
**Certification Body**  
**Consumer Products**

Essen, 2023-07-31

Please also pay attention to the information stated overleaf.

|                              |   |
|------------------------------|---|
| Module types:                | <b>Double Glass PV Modules with half-cut 7" n-type TOPCon Bifacial Mono Solar Cells:</b><br>156 cells: LP182*182-M-78-NB-***W (***) = 580-625, in increment of 5)<br>144 cells: LP182*182-M-72-NB-***W (***) = 555-605, in increment of 5)<br>132 cells: LP182*182-M-66-NB-***W (***) = 510-555, in increment of 5)<br>120 cells: LP182*182-M-60-NB-***W (***) = 460-505, in increment of 5)<br>108 cells: LP182*182-M-54-NB-***W (***) = 410-450, in increment of 5) |
| Maximum system voltage:      | 1500V   |
| Fuse rating:                 | 25A or 30A  |
| Application class:           | Class A   |
| Electrical protection class: | Class II  |

|                              |   |
|------------------------------|---|
| Module types:                | <b>Double Glass PV Modules with half-cut 8" n-type TOPCon Bifacial Mono Solar Cells:</b><br>132 cells: LP210*210-M-66-NB-***W (***) = 675-705, in increment of 5)<br>120 cells: LP210*210-M-60-NB-***W (***) = 615-640, in increment of 5)<br>108 cells: LP210*210-M-54-NB-***W (***) = 555-575, in increment of 5)<br>96 cells: LP210*210-M-48-NB-***W (***) = 490-510, in increment of 5)<br>84 cells: LP210*210-M-42-NB-***W (***) = 430-445, in increment of 5) |
| Maximum system voltage:      | 1500V   |
| Fuse rating:                 | 30A or 35A  |
| 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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**Description of product(s):**

Module types:

**Double Glass PV Modules with 7" Half Cut Mono-crystalline Silicon Solar Cells:**

144 cells: LP182\*182-M-72-MB-\*\*\*W (\*\*\*) = 520-550, in increment of 5)

132 cells: LP182\*182-M-66-MB-\*\*\*W (\*\*\*) = 475-505, in increment of 5)

120 cells: LP182\*182-M-60-MB-\*\*\*W (\*\*\*) = 435-455, in increment of 5)

108 cells: LP182\*182-M-54-MB-\*\*\*W (\*\*\*) = 390-410, in increment of 5)

Maximum system voltage:

1500V

Fuse rating:

25A

Application class:

Class A

Electrical protection class:

Class II

Module types:

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

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

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

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

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

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

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

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

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

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

Maximum system voltage:

1500V

Fuse rating:

30A or 35A

Application class:

Class A

Electrical protection class:

Class II



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Module types: **Double Glass PV Modules with half-cut 7" n-type TOPCon Bifacial Mono Solar Cells:**  
156 cells: LP182\*182-M-78-NB-\*\*\*W (\*\*\*) = 580-625, in increment of 5)  
144 cells: LP182\*182-M-72-NB-\*\*\*W (\*\*\*) = 555-605, in increment of 5)  
132 cells: LP182\*182-M-66-NB-\*\*\*W (\*\*\*) = 510-555, in increment of 5)  
120 cells: LP182\*182-M-60-NB-\*\*\*W (\*\*\*) = 460-505, in increment of 5)  
108 cells: LP182\*182-M-54-NB-\*\*\*W (\*\*\*) = 410-450, in increment of 5)

Maximum system voltage: 1500V  
Fuse rating: 25A or 30A  
Application class: Class A  
Electrical protection class: Class II

Module types: **Double Glass PV Modules with half-cut 8" n-type TOPCon Bifacial Mono Solar Cells:**  
132 cells: LP210\*210-M-66-NB-\*\*\*W (\*\*\*) = 675-705, in increment of 5)  
120 cells: LP210\*210-M-60-NB-\*\*\*W (\*\*\*) = 615-640, in increment of 5)  
108 cells: LP210\*210-M-54-NB-\*\*\*W (\*\*\*) = 555-575, in increment of 5)  
96 cells: LP210\*210-M-48-NB-\*\*\*W (\*\*\*) = 490-510, in increment of 5)  
84 cells: LP210\*210-M-42-NB-\*\*\*W (\*\*\*) = 430-445, in increment of 5)

Maximum system voltage: 1500V  
Fuse rating: 30A or 35A  
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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