

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



Valid from: 2024-07-29
Valid until: 2029-07-28

Certification program:	P12-VA-01 Rev. 17 09.20
Certification fundamental(s):	P12.4-AA-04 Rev. 00 (IEC 60068-2-68:1994 modified)
Remark:	Test Method Lc2; Dust concentration: $5 \pm 1.5 \text{g/m}^3$; Wind velocity: $20 \pm 2 \text{m/s}$; Test duration: 4 hours each side.
Registered No.:	44 780 24 406749 - 298
Manufacturer and factory(-ies):	See Annex 1
Test Report No.:	492013313.001
File No.:	PVP05048/24P



TÜV NORD CERT GmbH
Certification Body
Consumer Products



Essen, 2024-07-29

Please also pay attention to the information stated overleaf.

Manufacturer and factory(-ies):

Manufacturer: **Lepton Solar (Changshu) Co., Ltd.**
No. 9, Sunshine Avenue, Yushan High Technology Industry Zone,
Changshu City
Jiangsu Province, 215500, P.R. China

Factory: **Lepton 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.: 862010379.007

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:

Double Glass PV Modules with Half-cut 210*210mm n-type TOPCon Bifacial Silicon Solar Cells:

132 cells: LP210*210-M-66-NB-***W (** = 665-730, in increment of 5)

120 cells: LP210*210-M-60-NB-***W (** = 610-665, in increment of 5)

108 cells: LP210*210-M-54-NB-***W (** = 550-595, in increment of 5)

96 cells: LP210*210-M-48-NB-***W (** = 490-530, in increment of 5)

84 cells: LP210*210-M-42-NB-***W (** = 430-465, in increment of 5)

Maximum system voltage: 1500V

Maximum overcurrent protection rating: 30A

Electrical protection class: Class II

Module types:

Double Glass PV Modules with Half-cut 182*182/188mm n-type TOPCon Bifacial Silicon Solar Cells:

156 cells: LP182*182-M-78-NB-***W (** = 580-620, in increment of 5)

144 cells: LP182*182-M-72-NB-***W (** = 535-600, in increment of 5)

132 cells: LP182*182-M-66-NB-***W (** = 490-550, in increment of 5)

120 cells: LP182*182-M-60-NB-***W (** = 445-500, in increment of 5)

108 cells: LP182*182-M-54-NB-***W (** = 400-450, in increment of 5)

Maximum system voltage: 1500V

Maximum overcurrent protection rating: 25A

Electrical protection class: Class II



TÜV NORD CERT GmbH
Certification Body
Consumer Products

Module types:	Double Glass PV Modules with Half-cut 182*210mm n-type TOPCon Bifacial Silicon Solar Cells: 132 cells: LP182*210-M-66-NB-***W (***) = 580-630, in increment of 5) 120 cells: LP182*210-M-60-NB-***W (***) = 530-570, in increment of 5) 108 cells: LP182*210-M-54-NB-***W (***) = 475-515, in increment of 5) 96 cells: LP182*210-M-48-NB-***W (***) = 420-455, in increment of 5)
Maximum system voltage:	1500V
Maximum overcurrent protection rating:	25A
Electrical protection class:	Class II

Module types:	Double Glass PV Modules with Half-cut 182*199/191mm n-type TOPCon Bifacial Silicon Solar Cells: 144 cells: LP182*199-M-72-NB-***W (***) = 570-655, in increment of 5) 132 cells: LP182*199-M-66-NB-***W (***) = 525-600, in increment of 5) 120 cells: LP182*199-M-60-NB-***W (***) = 475-545, in increment of 5) 108 cells: LP182*199-M-54-NB-***W (***) = 430-490, in increment of 5)
Maximum system voltage:	1500V
Maximum overcurrent protection rating:	25A
Electrical protection class:	Class II

Remark:

For detailed product information, please refer to CDF (Constructional Data Form).



TÜV NORD CERT GmbH
Certification Body
Consumer Products