

Certificate



This certifies that the company:

Polyshine solar Co., Ltd.
No.288, Maodian Road, Shanghai,
P.R. China, 201716

is authorized to provide the product(s) mentioned below with the mark as illustrated.

Manufacturer and factory(-ies): See Annex 1

Description of product(s) (details see Annex 2): **Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**

Certification program: P12-VA-01 Rev. 17 / 09.20

Certification fundamental(s): IEC 61215-1:2021 / EN IEC 61215-1:2021,
IEC 61215-1-1:2021 / EN IEC 61215-1-1:2021, IEC 61215-2:2021 / EN IEC 61215-2:2021,
IEC 61730-1:2023, IEC 61730-2:2023

It is certified by TÜV NORD CERT GmbH that the product(s) described above has(have) been assessed according to the certification program mentioned above and found in compliance with the requirements of above specified certification fundamental(s). This certification is based on evaluation results as documented in test report(s) referenced below and production site(s) audit results as documented in factory inspection report(s) referenced in Annex 1. This certificate is valid in conjunction with these quoted report(s).

Registration no.: 44 780 24 406749 - 305R3A1M2
Report no.: 492013325.004
File no.: PVP03152/25P

Valid from: 2025-12-25
Valid until: 2029-07-29

Essen, 2025-12-25

Certification Body - Consumer Products

TÜV NORD CERT GmbH
Am TÜV 1, 45307 Essen, Germany
tuev-nord-cert.de | prodcert@tuev-nord.de

Please also pay attention to the information stated overleaf.



Visit our database to verify the validity of this certificate.

Annex 1

to certificate registration no. 44 780 24 406749 - 305R3A1M2

Manufacturer: **Polyshine solar Co., Ltd.**
No.288, Maodian Road, Shanghai, P.R. China, 201716

Factory 1: **Polyshine solar Co., Ltd. Anhui Branch**
No.9, Tagang Industrial Park, Tongzha Town, Hanshan County, Ma'anshan City

Factory inspection report no.: 862011000.001

Factory 2: **POLYSHINE Green Energy Technology (Hang Zhou) Co., Ltd**
No. 1 Airport Road, Shouchang Town, Jiande City, Hangzhou City, Zhejiang Province China

Factory inspection report no.: 862011106.001

Remark: Factory inspection is mandatory to be performed annually. Please refer to factory inspection report for detailed information.

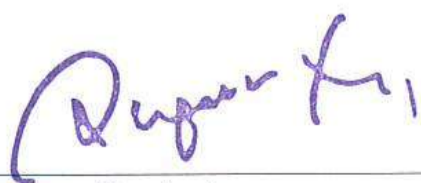
Essen, 2025-12-25

Certification Body - Consumer Products

TÜV NORD CERT GmbH

Am TÜV 1, 45307 Essen, Germany

tuev-nord-cert.de | prodcert@tuev-nord.de



Annex 2

to certificate registration no. 44 780 24 406749 - 305R3A1M2

Description of product(s):

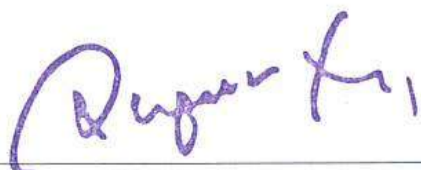
Module types:

PV Modules with 182mm Perc half-cut Mono-crystalline Silicon Solar Cells:

- 144 cells: JY1-72HxxxPC (xxx = 505-535, in increment of 5)
- 132 cells: JY1-66HxxxPC (xxx = 465-490, in increment of 5)
- 120 cells: JY1-60HxxxPC (xxx = 420-445, in increment of 5)
- 110 cells: JY1-55HxxxPC (xxx = 390-410, in increment of 5)
- 108 cells: JY1-54HxxxPC (xxx = 380-400, in increment of 5)
- 96 cells: JY1-48HxxxPC (xxx = 335-355, in increment of 5)
- 80 cells: JY1-40HxxxPC (xxx = 280-285, in increment of 5)
- 72 cells: JY1-36HxxxPC (xxx = 255-265, in increment of 5)
- 56 cells: JY1-28HxxxPC (xxx = 195-205, in increment of 5)
- 54 cells: JY1-27HxxxPC (xxx = 190-200, in increment of 5)
- 42 cells: JY1-21HxxxPC (xxx = 145-155, in increment of 5)
- 30 cells: JY1-15HxxxPC (xxx = 100-110, in increment of 5)
- 28 cells: JY1-14HxxxPC (xxx = 95-105, in increment of 5)
- 26 cells: JY1-13HxxxPC (xxx = 90-95, in increment of 5)
- 20 cells: JY1-10HxxxPC (xxx = 70-75, in increment of 5)
- 144 cells: YY1-72HxxxPC (xxx = 505-535, in increment of 5)
- 132 cells: YY1-66HxxxPC (xxx = 465-490, in increment of 5)
- 120 cells: YY1-60HxxxPC (xxx = 420-445, in increment of 5)
- 110 cells: YY1-55HxxxPC (xxx = 390-410, in increment of 5)
- 108 cells: YY1-54HxxxPC (xxx = 380-400, in increment of 5)
- 96 cells: YY1-48HxxxPC (xxx = 335-355, in increment of 5)
- 80 cells: YY1-40HxxxPC (xxx = 280-285, in increment of 5)
- 72 cells: YY1-36HxxxPC (xxx = 255-265, in increment of 5)

Maximum system voltage:	1500V
Maximum overcurrent protection rating:	20A
Electrical protection class:	Class II
Pollution degree:	1
98 th percentile module operating temperature (T ₉₈):	70°C
Design load (positive / negative):	3600Pa / 1600Pa
Safety factors:	1.5
Fire safety class:	Class C according to UL790

Essen, 2025-12-25



Certification Body - Consumer Products

TÜV NORD CERT GmbH
 Am TÜV 1, 45307 Essen, Germany
 tuev-nord-cert.de | prodcert@tuev-nord.de

Annex 2

to certificate registration no. 44 780 24 406749 - 305R3A1M2

Module types:

PV Modules with 182mm N Type half-cut Mono-crystalline Silicon Solar Cells:

- 144 cells: JY1-72HxxxTC (xxx = 530-555, in increment of 5)
- 132 cells: JY1-66HxxxTC (xxx = 485-505, in increment of 5)
- 120 cells: JY1-60HxxxTC (xxx = 440-460, in increment of 5)
- 110 cells: JY1-55HxxxTC (xxx = 405-420, in increment of 5)
- 108 cells: JY1-54HxxxTC (xxx = 395-415, in increment of 5)
- 96 cells: JY1-48HxxxTC (xxx = 355-370, in increment of 5)
- 80 cells: JY1-40HxxxTC (xxx = 295-305, in increment of 5)
- 72 cells: JY1-36HxxxTC (xxx = 265-275, in increment of 5)
- 56 cells: JY1-28HxxxTC (xxx = 205-215, in increment of 5)
- 54 cells: JY1-27HxxxTC (xxx = 200-205, in increment of 5)
- 42 cells: JY1-21HxxxTC (xxx = 155-160, in increment of 5)
- 40 cells: JY1-20HxxxTC (xxx = 145-150, in increment of 5)
- 30 cells: JY1-15HxxxTC (xxx = 110-115, in increment of 5)
- 28 cells: JY1-14HxxxTC (xxx = 100-105, in increment of 5)
- 26 cells: JY1-13HxxxTC (xxx = 95-100, in increment of 5)
- 20 cells: JY1-10HxxxTC (xxx = 70-75, in increment of 5)
- 144 cells: YY1-72HxxxTC (xxx = 530-555, in increment of 5)
- 132 cells: YY1-66HxxxTC (xxx = 485-505, in increment of 5)
- 120 cells: YY1-60HxxxTC (xxx = 440-460, in increment of 5)
- 110 cells: YY1-55HxxxTC (xxx = 405-420, in increment of 5)
- 108 cells: YY1-54HxxxTC (xxx = 400-415, in increment of 5)
- 96 cells: YY1-48HxxxTC (xxx = 355-370, in increment of 5)
- 80 cells: YY1-40HxxxTC (xxx = 295-305, in increment of 5)
- 72 cells: YY1-36HxxxTC (xxx = 265-275, in increment of 5)

Maximum system voltage:	1500V
Maximum overcurrent protection rating:	20A
Electrical protection class:	Class II
Pollution degree:	1
98 th percentile module operating temperature (T ₉₈):	70°C
Design load (positive / negative):	3600Pa / 1600Pa
Safety factors:	1.5

Essen, 2025-12-25



Certification Body - Consumer Products

TÜV NORD CERT GmbH

Am TÜV 1, 45307 Essen, Germany

tuev-nord-cert.de | prodcert@tuev-nord.de

Annex 2

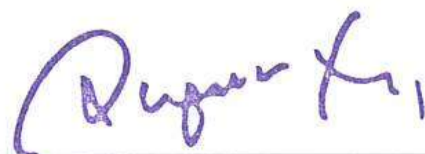
to certificate registration no. 44 780 24 406749 - 305R3A1M2

Fire safety class: Class C according to UL790

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) with the same file no.

Essen, 2025-12-25



Certification Body - Consumer Products

TÜV NORD CERT GmbH

Am TÜV 1, 45307 Essen, Germany

tuev-nord-cert.de | prodcert@tuev-nord.de