Certificate
of conformity with the following European Directives

Registered No.:
44 799 25 406749 - 088

Low-Voltage Directive 2014/35/EU

Date of application	File reference	Test report No.	Date of issue	Place of issue
2024-12-06	PVP11174/24P-03	492012695.029	2025-03-28	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: Tongwei Co., Ltd.
No. 588, Middle Section Tianfu Avenue, High-Tech Zone,
Chengdu, China (Sichuan) Pilot Free Trade Zone

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

TÜV NORD CERT GmbH
Am TÜV 1
D-45307 Essen
P.O.Box 10 32 61
D-45032 Essen
Fon: +49 (0)201 825-5120
Fax: +49 (0)201 825-3209
Email: prodcert@tuev-nord.de

CE **The CE marking may be affixed on the product if all relevant and effective Directives are complied with.** CE

Description of product(s):

Module types:

Double Glass PV Modules with Segmented 6" Mono-crystalline Silicon Solar Cells:

408 cells: THxxxCM5-72SD (xxx = 350-390, in increment of 5)
340 cells: THxxxCM5-60SD (xxx = 290-325, in increment of 5)
Remark: xxx indicates output power from the front side only.

Module types:

Double Glass PV Modules with Segmented 6" PERC Mono-crystalline Silicon Solar Cells:

408 cells: THxxxPM5-72SD (xxx = 390-410, in increment of 5)
408 cells: THxxxPM5-72SDA (xxx = 410-440, in increment of 5)
408 cells: THxxxPM5-72SDA-F (xxx = 410-440, in increment of 5)
408 cells: THxxxPMB5-72SD (xxx = 390-410, in increment of 5)
408 cells: THxxxPMB5-72SDA (xxx = 410-440, in increment of 5)
408 cells: THxxxPMB5-72SDA-F (xxx = 410-440, in increment of 5)
340 cells: THxxxPM5-60SD (xxx = 325-340, in increment of 5)
340 cells: THxxxPM5-60SDA (xxx = 340-365, in increment of 5)
340 cells: THxxxPM5-60SDA-F (xxx = 340-365, in increment of 5)
340 cells: THxxxPMB5-60SD (xxx = 325-340, in increment of 5)
340 cells: THxxxPMB5-60SDA (xxx = 340-365, in increment of 5)
340 cells: THxxxPMB5-60SDA-F (xxx = 340-365, in increment of 5)
Remark: xxx indicates output power from the front side only.

Module types:

Double Glass PV Modules with Segmented 8" PERC Mono-crystalline Silicon Solar Cells:

414 cells: THxxxPMB6-69SDC (xxx = 635-670, in increment of 5)
408 cells: THxxxPMB6-68SDC (xxx = 625-660, in increment of 5)
390 cells: THxxxPMB6-65SDC (xxx = 600-630, in increment of 5)
345 cells: THxxxPMB6-58SDC (xxx = 530-555, in increment of 5)
340 cells: THxxxPMB6-57SDC (xxx = 520-550, in increment of 5)
325 cells: THxxxPMB6-54SDC (xxx = 500-525, in increment of 5)
Remark: xxx indicates output power from the front side only.

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Module types:

Double Glass PV Modules with Half-cut 7" PERC Mono-crystalline Silicon Solar Cells:

156 cells: TWMPD-78HDxxx (xxx = 570-615, in increment of 5)
156 cells: TWxxxMBAP-156-D (xxx = 575-615, in increment of 5)
156 cells: TWxxxMBGP-156-D (xxx = 570-610, in increment of 5)
144 cells: TWMPD-72HDxxx (xxx = 525-565, in increment of 5)
144 cells: TWxxxMBAP-144-D (xxx = 530-565, in increment of 5)
144 cells: TWxxxMBGP-144-D (xxx = 525-560, in increment of 5)
132 cells: TWMPD-66HDxxx (xxx = 480-520, in increment of 5)
132 cells: TWxxxMBAP-132-D (xxx = 485-520, in increment of 5)
132 cells: TWxxxMBGP-132-D (xxx = 480-515, in increment of 5)
120 cells: TWMPD-60HDxxx (xxx = 440-470, in increment of 5)
120 cells: TWxxxMBAP-120-D (xxx = 440-470, in increment of 5)
120 cells: TWxxxMBGP-120-D (xxx = 440-470, in increment of 5)
108 cells: TWMPD-54HDxxx (xxx = 395-425, in increment of 5)
108 cells: TWxxxMBAP-108-D (xxx = 400-425, in increment of 5)
108 cells: TWxxxMBGP-108-D (xxx = 395-420, in increment of 5)
144 cells: TWMPG-72HDxxx (xxx = 560-590, in increment of 5)
108 cells: TWMPG-54HDxxx (xxx = 420-440, in increment of 5)
108 cells: TWMPG-54HCxxx (xxx = 420-440, in increment of 5)
132 cells: TWMPH-66HDxxx (xxx = 575-590, in increment of 5)
120 cells: TWMPH-60HDxxx (xxx = 525-535, in increment of 5)
96 cells: TWMPH-48HDxxx (xxx = 420-430, in increment of 5)
96 cells: TWMPH-48HCxxx (xxx = 420-430, in increment of 5)
Remark: xxx indicates output power from the front side only.

Module types:

Double Glass PV Modules with Half-cut 7" TOPCon Mono-crystalline Silicon Solar Cells:

156 cells: TWMND-78HDxxx (xxx = 580-650, in increment of 5)
156 cells: TWxxxMBGT-156-D (xxx = 580-650, in increment of 5)
144 cells: TWMND-72HDxxx (xxx = 535-605, in increment of 5)
144 cells: TWxxxMBGT-144-D (xxx = 535-605, in increment of 5)
132 cells: TWMND-66HDxxx (xxx = 490-555, in increment of 5)
132 cells: TWxxxMBGT-132-D (xxx = 490-555, in increment of 5)

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120 cells: TWMND-60HDxxx (xxx = 445-505, in increment of 5)
120 cells: TWxxxMBGT-120-D (xxx = 445-505, in increment of 5)
108 cells: TWMND-54HDxxx (xxx = 400-450, in increment of 5)
108 cells: TWxxxMBGT-108-D (xxx = 400-450, in increment of 5)
144 cells: THxxxTMBI-72ZDD (xxx = 545-560, in increment of 5)
144 cells: THxxxTMBI-72ZDDF (xxx = 545-560, in increment of 5)
132 cells: THxxxTMBI-66ZDD (xxx = 500-510, in increment of 5)
132 cells: THxxxTMBI-66ZDDF (xxx = 500-510, in increment of 5)
120 cells: THxxxTMBI-60ZDD (xxx = 455-465, in increment of 5)
120 cells: THxxxTMBI-60ZDDF (xxx = 455-465, in increment of 5)
108 cells: THxxxTMBI-54ZDD (xxx = 410-420, in increment of 5)
108 cells: THxxxTMBI-54ZDDF (xxx = 410-420, in increment of 5)
144 cells: TWMNG-72HDxxx (xxx = 580-620, in increment of 5)
120 cells: TWMNG-60HDxxx (xxx = 485-515, in increment of 5)
120 cells: TWMNG-60HCxxx (xxx = 485-515, in increment of 5)
108 cells: TWMNG-54HDxxx (xxx = 435-465, in increment of 5)
108 cells: TWMNG-54HCxxx (xxx = 435-465, in increment of 5)
132 cells: TWMNH-66HDxxx (xxx = 580-640, in increment of 5)
120 cells: TWMNH-60HDxxx (xxx = 530-580, in increment of 5)
108 cells: TWMNH-54HDxxx (xxx = 475-520, in increment of 5)
108 cells: TWMNH-54HCxxx (xxx = 475-520, in increment of 5)
96 cells: TWMNH-48HDxxx (xxx = 420-465, in increment of 5)
96 cells: TWMNH-48HCxxx (xxx = 420-465, in increment of 5)
96 cells: TWMNH-48HExxx (xxx = 425-470, in increment of 5)
96 cells: TWMNH-48HWxxx (xxx = 425-475, in increment of 5)
Remark: xxx indicates output power from the front side only.

Module types:

Double Glass PV Modules with Half-cut 8" PERC Mono-crystalline Silicon Solar Cells:

132 cells: TWMPF-66HDxxx (xxx = 635-685, in increment of 5)
132 cells: TWxxxMBCP-132-D (xxx = 635-675, in increment of 5)
132 cells: TWxxxMBIP-132-D (xxx = 635-685, in increment of 5)
120 cells: TWMPF-60HDxxx (xxx = 580-620, in increment of 5)
120 cells: TWxxxMBCP-120-D (xxx = 580-610, in increment of 5)

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120 cells: TWxxxMBIP-120-D (xxx = 580-620, in increment of 5)
108 cells: TWMPF-54HDxxx (xxx = 520-560, in increment of 5)
108 cells: TWxxxMBCP-108-D (xxx = 520-550, in increment of 5)
108 cells: TWxxxMBIP-108-D (xxx = 520-560, in increment of 5)
110 cells: TWMPF-55HDxxx (xxx = 530-570, in increment of 5)
110 cells: TWxxxMBCP-110-D (xxx = 530-560, in increment of 5)
110 cells: TWxxxMBIP-110-D (xxx = 530-570, in increment of 5)
100 cells: TWMPF-50HDxxx (xxx = 480-515, in increment of 5)
100 cells: TWxxxMBCP-100-D (xxx = 480-510, in increment of 5)
100 cells: TWxxxMBIP-100-D (xxx = 480-515, in increment of 5)
Remark: xxx indicates output power from the front side only.

Module types:

Double Glass PV Modules with Half-cut 8" TOPCon Mono-crystalline Silicon Solar Cells:

132 cells: TWMNF-66HDxxx (xxx = 665-740, in increment of 5)
132 cells: TWxxxMBIT-132-D (xxx = 665-740, in increment of 5)
120 cells: TWMNF-60HDxxx (xxx = 605-670, in increment of 5)
120 cells: TWxxxMBIT-120-D (xxx = 605-670, in increment of 5)
108 cells: TWMNF-54HDxxx (xxx = 545-605, in increment of 5)
108 cells: TWxxxMBIT-108-D (xxx = 545-605, in increment of 5)
110 cells: TWMNF-55HDxxx (xxx = 530-570, in increment of 5)
110 cells: TWxxxMBIT-110-D (xxx = 530-570, in increment of 5)
100 cells: TWMNF-50HDxxx (xxx = 480-515, in increment of 5)
100 cells: TWxxxMBIT-100-D (xxx = 480-515, in increment of 5)
Remark: xxx indicates output power from the front side only.

Module types:

Double Glass PV Modules with Half-cut 8" HJT Mono-crystalline Silicon Solar Cells:

132 cells: TWMHF-66HDxxx (xxx = 670-740, in increment of 5)
120 cells: TWMHF-60HDxxx (xxx = 605-670, in increment of 5)
Remark: xxx indicates output power from the front side only.

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