

Factory Inspection Certificate

Registered No.: PVP02097/23P-01

Name and address of the customer

Tongwei Solar (Hefei) Co., Ltd.
No.888, Changning Road, High-tech District,
Hefei City, Anhui Province, 230088, P.R. China

Description of the product

Crystalline Silicon Terrestrial Photovoltaic (PV) Modules

Manufacturing plant

Tongwei Solar (Hefei) Co., Ltd.
No.888, Changning Road, High-tech District,
Hefei City, Anhui Province, 230088, P.R. China

Production processes carried out at the inspected plant

Stringing
☒

Lamination
☒

Lay-up
☒

Electrical Tests
☒

Factory inspection report no.:

862010358.006
Please refer to factory inspection report for detailed information.

Date of inspection:

2022-09-27

In accordance to

P12-VA-01-A5 Rev. 11/12.19 "surveillance of production sites and certified products"

The manufacturing plant is under a periodic factory surveillance programme in the frame of TÜV NORD type approval certification according to the standard(s) in the annex.



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Please also pay attention to the information stated overleaf.

TÜV NORD (Hangzhou) Co., Ltd.
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Description of product(s):**Module type(s):****PV Modules with Segmented 6" Mono-crystalline Silicon Solar Cells:**

408 cells: THxxxCM5-72S (xxx = 350-390, in increment of 5)

340 cells: THxxxCM5-60S (xxx = 290-325, in increment of 5)

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

432 cells: THxxxPM5-78S (xxx = 445-480, in increment of 5)

432 cells: THxxxPM5-78SA (xxx = 445-480, in increment of 5)

432 cells: THxxxPM5-78SAF (xxx = 445-480, in increment of 5)

432 cells: THxxxPM5-78SAS (xxx = 445-480, in increment of 5)

432 cells: THxxxPMB5-78S (xxx = 445-480, in increment of 5)

432 cells: THxxxPMB5-78SA (xxx = 445-480, in increment of 5)

432 cells: THxxxPMB5-78SAF (xxx = 445-480, in increment of 5)

432 cells: THxxxPMB5-78SAS (xxx = 445-480, in increment of 5)

408 cells: THxxxPM5-72S (xxx = 395-455, in increment of 5)

408 cells: THxxxPM5-72SF (xxx = 395-435, in increment of 5)

408 cells: THxxxPM5-72SS (xxx = 395-435, in increment of 5)

408 cells: THxxxPM5-72SA (xxx = 420-455, in increment of 5)

408 cells: THxxxPM5-72SAF (xxx = 420-455, in increment of 5)

408 cells: THxxxPM5-72SAS (xxx = 420-455, in increment of 5)

408 cells: THxxxPM5-72SB (xxx = 460-500, in increment of 5)

408 cells: THxxxPM5-72SBF (xxx = 460-500, in increment of 5)

408 cells: THxxxPM5-72SBS (xxx = 460-500, in increment of 5)

408 cells: THxxxPMB5-72S (xxx = 395-455, in increment of 5)

408 cells: THxxxPMB5-72SF (xxx = 395-435, in increment of 5)

408 cells: THxxxPMB5-72SS (xxx = 395-435, in increment of 5)

408 cells: THxxxPMB5-72SA (xxx = 420-455, in increment of 5)

408 cells: THxxxPMB5-72SAF (xxx = 420-455, in increment of 5)

408 cells: THxxxPMB5-72SAS (xxx = 420-455, in increment of 5)

408 cells: THxxxPMB5-72SB (xxx = 460-505, in increment of 5)

408 cells: THxxxPMB5-72SBF (xxx = 460-500, in increment of 5)

408 cells: THxxxPMB5-72SBS (xxx = 460-505, in increment of 5)

360 cells: THxxxPM5-66S (xxx = 370-400, in increment of 5)

360 cells: THxxxPM5-66SA (xxx = 370-400, in increment of 5)

360 cells: THxxxPM5-66SAF (xxx = 370-400, in increment of 5)

360 cells: THxxxPM5-66SAS (xxx = 370-400, in increment of 5)

360 cells: THxxxPMB5-66S (xxx = 370-400, in increment of 5)

360 cells: THxxxPMB5-66SA (xxx = 370-400, in increment of 5)

360 cells: THxxxPMB5-66SAF (xxx = 370-400, in increment of 5)

360 cells: THxxxPMB5-66SAS (xxx = 370-400, in increment of 5)



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340 cells: THxxxPM5-60S (xxx = 325-380, in increment of 5)
 340 cells: THxxxPM5-60SA (xxx = 350-380, in increment of 5)
 340 cells: THxxxPM5-60SAF (xxx = 350-380, in increment of 5)
 340 cells: THxxxPM5-60SAS (xxx = 350-380, in increment of 5)
 340 cells: THxxxPM5-60SF (xxx = 325-360, in increment of 5)
 340 cells: THxxxPM5-60SS (xxx = 325-360, in increment of 5)
 340 cells: THxxxPM5-60SB (xxx = 380-415, in increment of 5)
 340 cells: THxxxPM5-60SBF (xxx = 380-415, in increment of 5)
 340 cells: THxxxPM5-60SBS (xxx = 380-415, in increment of 5)
 340 cells: THxxxPMB5-60SB (xxx = 380-420, in increment of 5)
 340 cells: THxxxPMB5-60SBF (xxx = 380-415, in increment of 5)
 340 cells: THxxxPMB5-60SBS (xxx = 380-420, in increment of 5)
 340 cells: THxxxPMB5-60S (xxx = 325-380, in increment of 5)
 340 cells: THxxxPMB5-60SA (xxx = 350-380, in increment of 5)
 340 cells: THxxxPMB5-60SF (xxx = 325-360, in increment of 5)
 340 cells: THxxxPMB5-60SS (xxx = 325-360, in increment of 5)
 340 cells: THxxxPMB5-60SAF (xxx = 350-380, in increment of 5)
 340 cells: THxxxPMB5-60SAS (xxx = 350-380, in increment of 5)

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

414 cells: THxxxPM6-69SC (xxx = 645-655, in increment of 5)
 414 cells: THxxxPMB6-69SC (xxx = 645-670, in increment of 5)
 408 cells: THxxxPM6-68SC (xxx = 635-655, in increment of 5)
 408 cells: THxxxPMB6-68SC (xxx = 635-660, in increment of 5)
 390 cells: THxxxPM6-65SC (xxx = 605-625, in increment of 5)
 390 cells: THxxxPMB6-65SC (xxx = 605-630, in increment of 5)
 345 cells: THxxxPM6-58SC (xxx = 535-550, in increment of 5)
 345 cells: THxxxPMB6-58SC (xxx = 535-555, in increment of 5)
 340 cells: THxxxPM6-57SC (xxx = 530-545, in increment of 5)
 340 cells: THxxxPMB6-57SC (xxx = 530-550, in increment of 5)
 325 cells: THxxxPM6-54SC (xxx = 505-520, in increment of 5)
 325 cells: THxxxPMB6-54SC (xxx = 505-525, in increment of 5)
 320 cells: THxxxPMB7-46SC (xxx = 425-445, in increment of 5)
 320 cells: THxxxPMB7-46SCS (xxx = 425-445, in increment of 5)
 320 cells: THxxxPMB7-46SCF (xxx = 420-440, in increment of 5)
 305 cells: THxxxPMB7-44SC (xxx = 405-425, in increment of 5)
 305 cells: THxxxPMB7-44SCS (xxx = 405-425, in increment of 5)
 305 cells: THxxxPMB7-44SCF (xxx = 400-420, in increment of 5)

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

156 cells: TWMPD-78HSxxx (xxx = 570-620, in increment of 5)
 156 cells: TWMPD-78HBxxx (xxx = 570-620, in increment of 5)



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156 cells: TWxxxMAP-156-H (xxx = 580-605, in increment of 5)
 156 cells: TWxxxMAP-156-H-S (xxx = 580-605, in increment of 5)
 156 cells: TWxxxMAP-156-H-F (xxx = 580-605, in increment of 5)
 156 cells: TWxxxMGP-156-H (xxx = 570-620, in increment of 5)
 156 cells: TWxxxMGP-156-H-S (xxx = 570-620, in increment of 5)
 156 cells: TWxxxMGP-156-H-F (xxx = 570-620, in increment of 5)
 144 cells: TWMPD-72HSxxx (xxx = 525-570, in increment of 5)
 144 cells: TWMPD-72HBxxx (xxx = 525-570, in increment of 5)
 144 cells: TWxxxMAP-144-H (xxx = 530-565, in increment of 5)
 144 cells: TWxxxMAP-144-H-S (xxx = 530-565, in increment of 5)
 144 cells: TWxxxMAP-144-H-F (xxx = 530-565, in increment of 5)
 144 cells: TWxxxMGP-144-H (xxx = 525-570, in increment of 5)
 144 cells: TWxxxMGP-144-H-S (xxx = 525-570, in increment of 5)
 144 cells: TWxxxMGP-144-H-F (xxx = 525-570, in increment of 5)
 132 cells: TWMPD-66HSxxx (xxx = 480-525, in increment of 5)
 132 cells: TWMPD-66HBxxx (xxx = 480-525, in increment of 5)
 132 cells: TWxxxMAP-132-H (xxx = 485-515, in increment of 5)
 132 cells: TWxxxMAP-132-H-S (xxx = 485-515, in increment of 5)
 132 cells: TWxxxMAP-132-H-F (xxx = 485-515, in increment of 5)
 132 cells: TWxxxMGP-132-H (xxx = 480-525, in increment of 5)
 132 cells: TWxxxMGP-132-H-S (xxx = 480-525, in increment of 5)
 132 cells: TWxxxMGP-132-H-F (xxx = 480-525, in increment of 5)
 120 cells: TWMPD-60HSxxx (xxx = 440-475, in increment of 5)
 120 cells: TWMPD-60HBxxx (xxx = 440-475, in increment of 5)
 120 cells: TWxxxMAP-120-H (xxx = 440-470, in increment of 5)
 120 cells: TWxxxMAP-120-H-S (xxx = 440-470, in increment of 5)
 120 cells: TWxxxMAP-120-H-F (xxx = 440-470, in increment of 5)
 120 cells: TWxxxMGP-120-H (xxx = 440-475, in increment of 5)
 120 cells: TWxxxMGP-120-H-S (xxx = 440-475, in increment of 5)
 120 cells: TWxxxMGP-120-H-F (xxx = 440-475, in increment of 5)
 108 cells: TWMPD-54HSxxx (xxx = 395-430, in increment of 5)
 108 cells: TWMPD-54HBxxx (xxx = 395-430, in increment of 5)
 108 cells: TWxxxMAP-108-H (xxx = 400-420, in increment of 5)
 108 cells: TWxxxMAP-108-H-S (xxx = 400-420, in increment of 5)
 108 cells: TWxxxMAP-108-H-F (xxx = 400-420, in increment of 5)
 108 cells: TWxxxMGP-108-H (xxx = 395-430, in increment of 5)
 108 cells: TWxxxMGP-108-H-S (xxx = 395-430, in increment of 5)
 108 cells: TWxxxMGP-108-H-F (xxx = 395-430, in increment of 5)

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

156 cells: TWMND-78HSxxx (xxx = 570-635, in increment of 5)



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156 cells: TWMND-78HBxxx (xxx = 570-635, in increment of 5)
 156 cells: TWxxxMGT-156-H (xxx = 570-635, in increment of 5)
 156 cells: TWxxxMGT-156-H-S (xxx = 570-635, in increment of 5)
 156 cells: TWxxxMGT-156-H-F (xxx = 570-635, in increment of 5)
 144 cells: TWMND-72HSxxx (xxx = 525-585, in increment of 5)
 144 cells: TWMND-72HBxxx (xxx = 525-585, in increment of 5)
 144 cells: TWxxxMGT-144-H (xxx = 525-585, in increment of 5)
 144 cells: TWxxxMGT-144-H-S (xxx = 525-585, in increment of 5)
 144 cells: TWxxxMGT-144-H-F (xxx = 525-585, in increment of 5)
 132 cells: TWMND-66HSxxx (xxx = 485-535, in increment of 5)
 132 cells: TWMND-66HBxxx (xxx = 485-535, in increment of 5)
 132 cells: TWxxxMGT-132-H (xxx = 485-535, in increment of 5)
 132 cells: TWxxxMGT-132-H-S (xxx = 485-535, in increment of 5)
 132 cells: TWxxxMGT-132-H-F (xxx = 485-535, in increment of 5)
 120 cells: TWMND-60HSxxx (xxx = 440-485, in increment of 5)
 120 cells: TWMND-60HBxxx (xxx = 440-485, in increment of 5)
 120 cells: TWxxxMGT-120-H (xxx = 440-485, in increment of 5)
 120 cells: TWxxxMGT-120-H-S (xxx = 440-485, in increment of 5)
 120 cells: TWxxxMGT-120-H-F (xxx = 440-485, in increment of 5)
 108 cells: TWMND-54HSxxx (xxx = 395-440, in increment of 5)
 108 cells: TWMND-54HBxxx (xxx = 395-440, in increment of 5)
 108 cells: TWxxxMGT-108-H (xxx = 395-440, in increment of 5)
 108 cells: TWxxxMGT-108-H-S (xxx = 395-440, in increment of 5)
 108 cells: TWxxxMGT-108-H-F (xxx = 395-440, in increment of 5)

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

132 cells: TWMPF-66HSxxx (xxx = 640-695, in increment of 5)
 132 cells: TWMPF-66HBxxx (xxx = 640-695, in increment of 5)
 132 cells: TWxxxMIP-132-H (xxx = 640-695, in increment of 5)
 132 cells: TWxxxMIP-132-H-S (xxx = 640-695, in increment of 5)
 132 cells: TWxxxMIP-132-H-F (xxx = 640-695, in increment of 5)
 132 cells: TWxxxMCP-132-H (xxx = 640-670, in increment of 5)
 132 cells: TWxxxMCP-132-H-S (xxx = 640-670, in increment of 5)
 132 cells: TWxxxMCP-132-H-F (xxx = 640-670, in increment of 5)
 120 cells: TWMPF-60HSxxx (xxx = 580-630, in increment of 5)
 120 cells: TWMPF-60HBxxx (xxx = 580-630, in increment of 5)
 120 cells: TWxxxMIP-120-H (xxx = 580-630, in increment of 5)
 120 cells: TWxxxMIP-120-H-S (xxx = 580-630, in increment of 5)
 120 cells: TWxxxMIP-120-H-F (xxx = 580-630, in increment of 5)
 120 cells: TWxxxMCP-120-H (xxx = 580-610, in increment of 5)
 120 cells: TWxxxMCP-120-H-S (xxx = 580-610, in increment of 5)



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120 cells: TWxxxMCP-120-H-F (xxx = 580-610, in increment of 5)
 108 cells: TWMPF-54HSxxx (xxx = 525-565, in increment of 5)
 108 cells: TWMPF-54HBxxx (xxx = 525-565, in increment of 5)
 108 cells: TWxxxMIP-108-H (xxx = 525-565, in increment of 5)
 108 cells: TWxxxMIP-108-H-S (xxx = 525-565, in increment of 5)
 108 cells: TWxxxMIP-108-H-F (xxx = 525-565, in increment of 5)
 108 cells: TWxxxMCP-108-H (xxx = 525-545, in increment of 5)
 108 cells: TWxxxMCP-108-H-S (xxx = 525-545, in increment of 5)
 108 cells: TWxxxMCP-108-H-F (xxx = 525-545, in increment of 5)
 110 cells: TWMPF-55HSxxx (xxx = 535-580, in increment of 5)
 110 cells: TWMPF-55HBxxx (xxx = 535-580, in increment of 5)
 110 cells: TWxxxMIP-110-H (xxx = 535-580, in increment of 5)
 110 cells: TWxxxMIP-110-H-S (xxx = 535-580, in increment of 5)
 110 cells: TWxxxMIP-110-H-F (xxx = 535-580, in increment of 5)
 110 cells: TWxxxMCP-110-H (xxx = 535-550, in increment of 5)
 110 cells: TWxxxMCP-110-H-S (xxx = 535-550, in increment of 5)
 110 cells: TWxxxMCP-110-H-F (xxx = 535-550, in increment of 5)
 100 cells: TWMPF-50HSxxx (xxx = 485-525, in increment of 5)
 100 cells: TWMPF-50HBxxx (xxx = 485-525, in increment of 5)
 100 cells: TWxxxMIP-100-H (xxx = 485-525, in increment of 5)
 100 cells: TWxxxMIP-100-H-S (xxx = 485-525, in increment of 5)
 100 cells: TWxxxMIP-100-H-F (xxx = 485-525, in increment of 5)
 100 cells: TWxxxMCP-100-H (xxx = 485-500, in increment of 5)
 100 cells: TWxxxMCP-100-H-S (xxx = 485-500, in increment of 5)
 100 cells: TWxxxMCP-100-H-F (xxx = 485-500, in increment of 5)

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

132 cells: TWMNF-66HSxxx (xxx = 650-700, in increment of 5)
 132 cells: TWMNF-66HBxxx (xxx = 650-700, in increment of 5)
 132 cells: TWxxxMIT-132-H (xxx = 650-700, in increment of 5)
 132 cells: TWxxxMIT-132-H-S (xxx = 650-700, in increment of 5)
 132 cells: TWxxxMIT-132-H-F (xxx = 650-700, in increment of 5)
 120 cells: TWMNF-60HSxxx (xxx = 590-635, in increment of 5)
 120 cells: TWMNF-60HBxxx (xxx = 590-635, in increment of 5)
 120 cells: TWxxxMIT-120-H (xxx = 590-635, in increment of 5)
 120 cells: TWxxxMIT-120-H-S (xxx = 590-635, in increment of 5)
 120 cells: TWxxxMIT-120-H-F (xxx = 590-635, in increment of 5)
 108 cells: TWMNF-54HSxxx (xxx = 530-570, in increment of 5)
 108 cells: TWMNF-54HBxxx (xxx = 530-570, in increment of 5)
 108 cells: TWxxxMIT-108-H (xxx = 530-570, in increment of 5)
 108 cells: TWxxxMIT-108-H-S (xxx = 530-570, in increment of 5)



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108 cells: TWxxxMIT-108-H-F (xxx = 530-570, in increment of 5)
 110 cells: TWMNF-55HSxxx (xxx = 540-580, in increment of 5)
 110 cells: TWMNF-55HBxxx (xxx = 540-580, in increment of 5)
 110 cells: TWxxxMIT-110-H (xxx = 540-580, in increment of 5)
 110 cells: TWxxxMIT-110-H-S (xxx = 540-580, in increment of 5)
 110 cells: TWxxxMIT-110-H-F (xxx = 540-580, in increment of 5)
 100 cells: TWMNF-50HSxxx (xxx = 490-530, in increment of 5)
 100 cells: TWMNF-50HBxxx (xxx = 490-530, in increment of 5)
 100 cells: TWxxxMIT-100-H (xxx = 490-530, in increment of 5)
 100 cells: TWxxxMIT-100-H-S (xxx = 490-530, in increment of 5)
 100 cells: TWxxxMIT-100-H-F (xxx = 490-530, in increment of 5)

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.

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.

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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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)
Remark: xxx indicates output power from the front side only.

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

156 cells: TWMND-78HDxxx (xxx = 580-630, in increment of 5)
156 cells: TWxxxMBGT-156-D (xxx = 580-630, in increment of 5)
144 cells: TWMND-72HDxxx (xxx = 535-580, in increment of 5)
144 cells: TWxxxMBGT-144-D (xxx = 535-580, in increment of 5)
132 cells: TWMND-66HDxxx (xxx = 490-530, in increment of 5)
132 cells: TWxxxMBGT-132-D (xxx = 490-530, in increment of 5)
120 cells: TWMND-60HDxxx (xxx = 445-485, in increment of 5)
120 cells: TWxxxMBGT-120-D (xxx = 445-485, in increment of 5)
108 cells: TWMND-54HDxxx (xxx = 400-435, in increment of 5)
108 cells: TWxxxMBGT-108-D (xxx = 400-435, in increment of 5)
Remark: xxx indicates output power from the front side only.

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: TWxxxMBGP-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: TWxxxMBGP-120-D (xxx = 580-610, in increment of 5)
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: TWxxxMBGP-108-D (xxx = 520-550, in increment of 5)



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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: TWxxxMBIP-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: TWxxxMBIP-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.

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

132 cells: TWMNF-66HDxxx (xxx = 665-690, in increment of 5)
132 cells: TWxxxMBIT-132-D (xxx = 665-690, in increment of 5)
120 cells: TWMNF-60HDxxx (xxx = 605-625, in increment of 5)
120 cells: TWxxxMBIT-120-D (xxx = 605-625, in increment of 5)
108 cells: TWMNF-54HDxxx (xxx = 545-565, in increment of 5)
108 cells: TWxxxMBIT-108-D (xxx = 545-565, 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.

Certificate(s):

44780 19 406749-401R19A1M32 / 44780 18 406749-343R12A1M17

Valid until:

2028-12-03 / 2027-10-19

Standard(s):

IEC / EN 61215-1:2016;
IEC / EN 61215-1-1:2016;
IEC 61215-2:2016 / EN 61215-2:2017 + AC:2017 + AC:2018;
IEC 61730-1:2016 / EN IEC 61730-1:2018 + AC:2018;
IEC 61730-2:2016 / EN IEC 61730-2:2018 + AC:2018.

Serial no. regulations of the product:

Documented by file: Q/TW 1042.1-2020, version V4.1, effect on: 2022-01-07

Regulation: ABCDEFGYYMRRXXXXXX

Example: BS5DMPM20806000030 or CS5DMPM20806000030

Code	Description of Code	Example
A	Manufacturing plant identifier	A = M1 Plant B = M2 Plant C = M3 Plant Phase I and Phase II D = M3 Plant Phase III
B	Module type identifier	S = Shingled Single Glass Module
C	Busbar numbers identifier	5 = Cell with 5 Busbars
D	Cell shape identifier	D = Chamfering Cell



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E	Crystalline type identifier	M = Mono-crystalline Silicon Solar Cell
F	Cell type identifier	P = PERC
G	Workorder identifier	M = Batch Workorder
YY	Year	20 = 2020
M	Month	8 = August
RR	Workorder running number	06 = The Sixth Workorder
XXXXXX	Running number	000030 = The 30 th Module



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