

Evaluation Report No. 492013914.001

Photovoltaic Module Qualification

Applicant: **Shenzhen Skyworth Photovoltaic Technology Co., Ltd**
0801 Block C, Building5, Huaqiang Creative Park Guangming Street,
Guangming District, Shenzhen City, Guangdong Province, P.R. China

File No.: PVP11062/24P-12

Designed:
(Project Engineer)

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Reviewed:
(Technical Certifier)

by:  数字签名者: Henry
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日期: 2025.07.28
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Applicant	Shenzhen Skyworth Photovoltaic Technology Co., Ltd 0801 Block C, Building5, Huaqiang Creative Park Guangming Street, Guangming District, Shenzhen City, Guangdong Province, P.R. China
Manufacturer	Shenzhen Skyworth Photovoltaic Technology Co., Ltd 0801 Block C, Building5, Huaqiang Creative Park Guangming Street, Guangming District, Shenzhen City, Guangdong Province, P.R. China
Factory	Shenzhen Qiming Photovoltaic Technology Co., Ltd. 201, Building 10, No. 2-1, Xiguangyue Third Road, Loucun Community, Xinhu Street, Guangming District, Shenzhen
Order No.	QT-PVP11062/24P_R1
Date of Application	2024-12-24
Product	Crystalline Silicon Terrestrial Photovoltaic (PV) Modules
Module type(s).....	Double Glass PV Modules with Half-cut 182mm PERC Mono-crystalline Silicon Solar Cells: 144 cells: QM182PHCD-xxx-72 (xxx = 545 - 565, in steps of 5) 120 cells: QM182PHCD-xxx-60 (xxx = 455 - 470, in steps of 5) 108 cells: QM182PHCD-xxx-54 (xxx = 410 - 420, in steps of 5) Double Glass PV Modules with Half-cut 182 mm series TOPCon Mono-crystalline Silicon Solar Cells: 156 cells: QM182THCD-xxx-78 (xxx = 610 - 650, in steps of 5) 156 cells: QM182THCDQ-xxx-78 (xxx = 615 - 650, in steps of 5) 156 cells: QM182THCDZ-xxx-78 (xxx = 615 - 650, in steps of 5) 144 cells: QM182THCD-xxx-72 (xxx = 565 - 595, in steps of 5) 144 cells: QM182THCDQ-xxx-72 (xxx = 570 - 595, in steps of 5) 144 cells: QM182THCDZ-xxx-72 (xxx = 570 - 595, in steps of 5) 120 cells: QM182THCD-xxx-60 (xxx = 470 - 495, in steps of 5) 120 cells: QM182THCDQ-xxx-60 (xxx = 475 - 495, in steps of 5) 120 cells: QM182THCDZ-xxx-60 (xxx = 475 - 495, in steps of 5) 108 cells: QM182THCD-xxx-54 (xxx = 425 - 450, in steps of 5) 108 cells: QM182THCDQ-xxx-54 (xxx = 425 - 445, in steps of 5) 108 cells: QM182THCDZ-xxx-54 (xxx = 425 - 445, in steps of 5) 28 cells: QM182THCDW-xxx-14 (xxx=105-110, in steps of 5) 16 cells: QM182THCDW-xxx-8 (xxx=60) 8 cells: QM182THCDW-xxx-4 (xxx=30) Colourful Double Glass PV Modules with Half-cut 182 mm series TOPCon Mono-crystalline Silicon Solar Cells: 156 cells: QM182THCDC-xxx-78 (xxx=350-375, 410-445, 465-500, 540-560, in steps of 5) 144 cells: QM182THCDC-xxx-72 (xxx=325-345, 380-410, 435-460, 500-515, in steps of 5) 120 cells: QM182THCDC-xxx-60 (xxx=270-285, 315-340, 360-385, 415-430, in steps of 5) 108 cells: QM182THCDC-xxx-54 (xxx=245-260, 285-305, 320-345, 375-385, in steps of 5)

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	Double Glass PV Modules with Half-cut 210mm TOPCon Mono-crystalline Silicon Solar Cells: 132 cells: QM210THCD-xxx-66 (xxx=695-720, in steps of 5) 120 cells: QM210THCD-xxx-60 (xxx=630-655, in steps of 5) Double Glass PV Modules with Half-cut 210mmx182mm TOPCon Mono-crystalline Silicon Solar Cells: 132 cells: QM210THCD-xxx-66 (xxx=605-630, in steps of 5) 120 cells: QM210THCD-xxx-60 (xxx=550-570, in steps of 5) 108 cells: QM210THCD-xxx-54 (xxx=495-510, in steps of 5) 96 cells: QM210THCD-xxx-48 (xxx=440-455, in steps of 5) Remark: xxx indicates rated output power from the front side only under STC.
General Information	
- Maximum System Voltage.... : - Electrical Protection Class.... : - Fire Safety Class	DC 1500V Class II Class C
Type of examination	Parallel certification for application of TÜV mark
Testing Period(begin/end)	N/A
Responsible Testing Laboratory :	N/A
Attachment(s)	Attachment 1: Constructional Data Form (33 pages)

Test results listed in this test report refer exclusively to the mentioned test sample.

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The submitted test samples as described in the reports hereunder are in compliance with the requirements:
IEC 61215-1:2021 / EN IEC 61215-1:2021 "Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1: Test requirements"

IEC 61215-1-1:2021 / EN IEC 61215-1-1:2021 "Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 1-1: Special requirements for testing of crystalline silicon photovoltaic (PV) modules"

IEC 61215-2:2021 / EN IEC 61215-2:2021 "Terrestrial photovoltaic (PV) modules - Design qualification and type approval - Part 2: Test procedures"

IEC 61730-1:2023 "Photovoltaic (PV) module safety qualification - Part 1: Requirements for construction"

IEC 61730-2:2023 "Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing"

History of certification

File no. :	N/A
Certificate no. ... :	N/A
Date of issue :	N/A
Report no. :	N/A
Module type(s) . :	N/A
Description: :	N/A
Supplementary information: Basic project, no history.	

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Summary of Certification

According to the enquiry of the applicant, based on the certificate no. 44 780 24 406749 - 487R4A1M6, issue the parallel certificate according to 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 and IEC 61730-2:2023 for double glass PV modules.

Since the factory inspection was performed, Therefore, from the result of document reviewing and factory inspection, it is recommended that certification should be granted.

Detailed product information is to be found in the CDF (constructional data form) attached to this report with same file no.

----- End of report -----