

Certificate number	7689 Rev.1	Replaces	7689 Rev.0
Issued	04/10/2024	First edition	04/10/2024
Report number	PKC0013385	Expiry date	03/10/2029
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Certificate of Type Testing Conformity

License holder: Sunpro Europe GmbH
Lurgiallee 10-12 (B04T06), 60439 Frankfurt am Main, Germany

Production site(s): Zhejiang Sunpro Power Technology Co., Ltd.
Qinggang Technological Ind. Zone, Yuhuan City, Zhejiang Province, China

Product: Photovoltaic (PV) module

Model(s): SPDG450-N96R12
(see extended models in the Annex)*

Kiwa Cermet Italia hereby declares that the product can be considered complying to the type testing based upon the following aspects:

- 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
- Test MQT 17 - Hail test
Spheres reference diameter = 55 mm. Spheres reference speed = 33.9 m/sec
- Kiwa Cermet Italia Guideline "TD Ki – 0409, Solar Products and Components"

Modifications to the product, may imply re-testing and re-certification.

This type testing certificate does not include the Initial and the Periodic Inspection of the production samples and does not certify the quality and safety of the serial products.

This certificate is issued in accordance with the Kiwa Cermet Italia regulations for Product Certification. Publication of the certificate is allowed.

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Società con socio unico, soggetta all'attività di direzione e coordinamento di Kiwa Italia Holding Srl

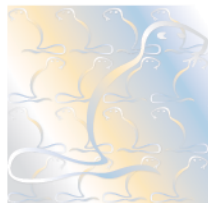
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Industry Division Manager
Maurizio Lorenzon



PRD N° 069B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements



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Annex Extended models*

Model name	Cells number	Cell size (mm)	Cell technology	Module size (mm)	Rated power (Wp)
SPDGXXX-N144RX10	144	182.2x99.5	N-type TOPCon Rectangle	2465x1134x30	From 600 to 650 in steps of 5
SPDGXXX-N132RX10	132	182.2x99.5	N-type TOPCon Rectangle	2278x1134x30	From 550 to 590 in steps of 5
SPDGXXX-N132R12	132	182.5x105	N-type TOPCon Rectangle	2384x1134x30	From 595 to 635 in steps of 5
SPDGXXX-N108R12	108	182.5x105	N-type TOPCon Rectangle	1960x1134x30	From 480 to 510 in steps of 5
SPDGXXX-N96R12	96	182.5x105	N-type TOPCon Rectangle	1762x1134x30	From 425 to 460 in steps of 5
SPDGXXX-N144M10	144	182x91	N-type TOPCon	2279x1134x30	From 570 to 590 in steps of 5
SPDGXXX-N132M12	132	210x105	N-type TOPCon	2382x1303x35	From 690 to 720 in steps of 5
SPDGXXX-N120M10	120	182x91	N-type TOPCon	1910x1134x30	From 465 to 490 in steps of 5
SPDGXXX-N108M10	108	182x91	N-type TOPCon	1722x1134x30	From 420 to 450 in steps of 5

Remarks: XXX = rated power.

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Maurizio Lorenzon

Laboratory test reports nr.: L0013385/B rev.01.

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