CERTIFICATE

Certificate number	7940 Rev.1	Replaces	7940 Rev.0
Issued	28/10/2025	First edition	02/07/2025
Report number	PKC0013663	Expiry date	01/07/2030
Page	1 of 3	Contract number	PKC0011596

Product Certificate Photovoltaic (PV) Panels

License holder: **Solvis d.o.o.**
Vesne Parun 15, HR-42000 Varaždin, Croatia

Production site(s): Solvis d.o.o.:
- Vesne Parun 15, HR-42000 Varaždin, Croatia
- Ivane Brlić Mažuranić 25, HR-42000 Varaždin, Croatia

Model(s): SVyyy-xxx E GG22 HCM10; SVyyy-xxx E F GG22 HCM10;
SVyyy-xxx E GG22 HCG12R; SVyyy-xxx E F GG22 HCG12R
(where: yyy = number of solar cells; xxx = rated power. See Annex*)

The product as listed in this certificate and marked with the below given Kiwa Cermet Italia mark for Photovoltaic (PV) Panels, can be considered complying to the requirements of Kiwa Cermet Italia Guideline "TD Ki – 0409, Solar Products and Components" based upon the following aspects:

Laboratory testing of the panels, which are performed by an accredited laboratory in accordance to ISO/IEC 17025 -see annex-, using the following standards:

- 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 / EN IEC 61730-1:2018
  Photovoltaic (PV) module safety qualification – Part 1: Requirements for construction
- IEC 61730-2:2023 / EN IEC 61730-2:2018
  Photovoltaic (PV) module safety qualification – Part 2: Requirements for testing

  Remarks: to be used in plants at a maximum system voltage (Voc at STC) up to 1500 Vdc (Class II); fire test (IEC 61730-2 / MST 23 – Class C) was performed.

Periodic Inspection of the Factory site(s), according to "TD Ki – 0409", which includes:

- inspection of the manufacturing quality control and production procedures;
- inspection of the produced panels and confirmation that these are identical to the tested panels;
- periodic verification of the manufacturer test facilities.

This certificate is issued in accordance with the Kiwa Cermet Italia regulations.
Publication of the certificate is allowed.
The validity of this certificate is subject to the positive result of periodic surveillance visits.
The validity of this certificate can be verified on request at the following e-mail address: energy@kiwacermet.it.
Any total or partial reproduction of this document in any form, without Kiwa Cermet Italia express authorization, is prohibited.

Kiwa Cermet Italia S.p.A.
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Industry Division Manager
Luigi Rindone

Firmato digitalmente da:
Luigi Rindone
Firma n. 2
31/10/2025 14:21

PRD N° 0069PRD

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

IEC 61215
IEC 61730

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Product Certificate Photovoltaic (PV) Panels

Annex*

Model name	Cells number	Cell size (mm)	Cell technology	Module size (mm)	Rated power (Wp) at STC	Rated power (Wp) at BNPI
SV144-xxx E GG22 HCM10	144	182,2x91,1; 182,2x91,875; 182x91	Mono-Si TOPCon	2278x1134x30 /35	From 545 to 585 in steps of 5	From 600 to 644
SV144-xxx E F GG22 HCM10	144	182,2x91,1; 182,2x91,875; 182x91	Mono-Si TOPCon	2278x1134x30 /35	From 545 to 585 in steps of 5	From 600 to 644
SV120-xxx E GG22 HCM10	120	182,2x91,1; 182,2x91,875; 182x91	Mono-Si TOPCon	1926x1134x30 /35; 1909x1134x30 /35	From 455 to 490 in steps of 5	From 501 to 539
SV120-xxx E F GG22 HCM10	120	182,2x91,1; 182,2x91,875; 182x91	Mono-Si TOPCon	1926x1134x30 /35; 1909x1134x30 /35	From 455 to 490 in steps of 5	From 501 to 539
SV108-xxx E GG22 HCM10	108	182,2x91,1; 182,2x91,875; 182x91	Mono-Si TOPCon	1741x1134x30 /35; 1722x1134x30 /35	From 405 to 440 in steps of 5	From 446 to 484
SV108-xxx E F GG22 HCM10	108	182,2x91,1; 182,2x91,875; 182x91	Mono-Si TOPCon	1741x1134x30 /35; 1722x1134x30 /35	From 405 to 440 in steps of 5	From 446 to 484

Remarks: xxx = rated power; F = black frame; without F = silver frame.

Industry Division Manager
Luigi Rindone

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Product Certificate Photovoltaic (PV) Panels

Annex*

Model name	Cells number	Cell size (mm)	Cell technology	Module size (mm)	Rated power (Wp) at STC	Rated power (Wp) at BNPI
SV132-xxx E GG22 HCG12R	132	182,3x105	Mono-Si TOPCon	2382x1134x35	From 600 to 635 in steps of 5	From 660 to 699
SV132-xxx E F GG22 HCG12R	132	182,3x105	Mono-Si TOPCon	2382x1134x35	From 600 to 635 in steps of 5	From 660 to 699
SV108-xxx E GG22 HCG12R	108	182,3x105	Mono-Si TOPCon	1961x1134x35	From 490 to 520 in steps of 5	From 539 to 572
SV108-xxx E F GG22 HCG12R	108	182,3x105	Mono-Si TOPCon	1961x1134x35	From 490 to 520 in steps of 5	From 539 to 572
SV96-xxx E GG22 HCG12R	96	182,3x105	Mono-Si TOPCon	1762x1134x30	From 435 to 460 in steps of 5	From 479 to 506
SV96-xxx E F GG22 HCG12R	96	182,3x105	Mono-Si TOPCon	1762x1134x30	From 435 to 460 in steps of 5	From 479 to 506

Remarks: xxx = rated power; F = black frame; without F = silver frame.

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Laboratory test reports nr.: 704062342302-00; 704062342302-01; 2024459CNT_V1 part 1 of 2; 2024459CNT_V1 part 2 of 2; GDP251103; 2025231CNT_V1.

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ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

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