



Certificate number	17077 Rev.0	Replaces	-
Issued	19/05/2022	First edition	19/05/2022
Report number	PKC0005277	Expiry date	18/05/2027
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Product Certificate Photovoltaic (PV) Panels

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

Production site (1): Solvis d.o.o.
Vesne Parun 15, HR-42000 Varaždin, Croatia

Production site (2): Solvis d.o.o.
Ivane Brlić Mažuranić 25, HR-42000 Varaždin, Croatia

Model(s): SV144-XXX E (YYY) GG22 HC9B, SV120-XXX E (YYY) GG22 HC9B
(see extended models in the 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 61215-1:2016 / EN 61215-1:2016
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1: Test requirements
- IEC 61215-1-1:2016 / EN 61215-1-1:2016
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-1: Special requirements for testing of crystalline silicon photovoltaic (PV) modules
- IEC 61215-2:2016 / EN 61215-2:2017
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 2: Test procedures
- IEC 61730-1:2016 / EN IEC 61730-1:2018
Photovoltaic (PV) module safety qualification – Part 1: Requirements for construction
- IEC 61730-2:2016 / 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 A) 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.

President
Giampiero Belcredi

Kiwa Cermet Italia S.p.A.
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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 ¹ (mm)	Rated power (Wp)
SV144-XXX E (YYY) GG22 HC9B	144	166x83	Mono-Si	2094x1038x35	From 400 to 440 in steps of 5
SV120-XXX E (YYY) GG22 HC9B	120	166x83	Mono-Si	1755x1038x35	From 330 to 365 in steps of 5

Remarks: XXX = rated power. E = mono-Si solar cells. YYY = optional suffix. The YYY suffix can be : F = black frame. Without YYY suffix = silver frame. GG22 = glass/glass module. HC9B = half cell module with 9BB M6 cells.

¹ Maximum allowed dimensions:

- length : 2513 mm

- width : 1246 mm

- area : 2,61 m² (length x width = must not exceed max area 2,61 m²).

¹ Minimum allowed dimensions :

- length : - 2 mm starting from the above listed dimensions

- width : - 2 mm starting from the above listed dimensions

President
Giampiero Belcredi

Laboratory test reports nr.: L0005277/A rev.00; 191.0CI0262/22; 2.00.80582.1.0-06a.

Kiwa Cermet Italia S.p.A.,

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