



ATTESTATION

Attestation number	15509 Rev.6	Replaces	15509 Rev.5
Issued	07/07/2020	First edition	12/10/2016
Report number	IN0000112	Expiry date	22/06/2021
Page	1 of 3	Contract number	PKC0002588

Factory Inspection Attestation Photovoltaic (PV) Panels

License holder:	Solvis d.o.o. Cehovska 106 HR-42000 Varazdin, Croatia
Production site(s):	Solvis d.o.o. Cehovska 106 HR-42000 Varazdin, Croatia
Production site ref. nr.:	KIP PV 950 001
Model(s):	Glass-backsheet: SVZZ-XXX (YYY) (1,5kV); SVZZ-XXX E (YYY) (1,5kV); SVZZ(5)-XXX E (YYY) (1,5kV) (see extended models in the Annex)* Glass-glass: SVZZ-XXX (YYY) GG22; SVZZ-XXX E (YYY) GG22 (see extended models in the Annex)*

During the periodic inspection of the production site(s), the production steps are checked, verifying that the technical characteristics of the products, listed above, comply with the type approval certification according to the standards IEC 61215:2005, IEC 61730-1:2013 and IEC 61730-2:2012. The details of the Factory Production Control are documented in the audit report nr. PKC0002588 – 2020/04/23 dated on 23/04/2020 and 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.

The products are fully produced in the EU territory and therefore are in compliance with the requirements for the 'Made in EU' of the Italian law 'V Conto Energia per il Fotovoltaico' – D.M. 5 Luglio 2012 and application rules: GSE August 2012 paragraph 4.4.

Production steps:	Complete production: string, assembling, lamination and electrical test
Production capacity:	Maximum 150 MW/year
Module serial number sequence:	Module serial number below the bar code: 1YYMMXXXXX 1: production site, code "1" (KIP PV 950 001) YY: year of production MM: month of production XXXXX: progressive unique production serial number from 00001 to 99999

Publication of the attestation is allowed.

The validity of this attestation can be verified on request at the following e-mail address: energy@kiwacermet.it.

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Chief Operating Officer
Giampiero Belcredi

Kiwa Cermet Italia S.p.A.

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Annex Extended models*

(Extended models according to IEC61215 "Retesting Guideline")

Model name	Cells number	Cell size (mm)	Cell technology	Module size (mm)	Rated power (Wp)
SV72-XXX (YYY) (1,5kV)	72	156x156; 156.75x156.75	Poly-Si	1962x992; 1956x992; 1976x1000; 1981x1000	From 280 to 350 with 5 steps
SV72-XXX E (YYY) (1,5kV)	72	156x156; 156.75x156.75	Mono-Si	1962x992; 1956x992; 1976x1000; 1981x1000	From 295 to 395 with 5 steps
SV60-XXX (YYY) (1,5kV)	60	156x156; 156.75x156.75	Poly-Si	1650x992; 1640x992; 1660x1000	From 225 to 290 with 5 steps
SV60-XXX E (YYY) (1,5kV)	60	156x156; 156.75x156.75	Mono-Si	1650x992; 1640x992; 1660x1000	From 230 to 330 with 5 steps
SV54-XXX (YYY) (1,5kV)	54	156x156; 156.75x156.75	Poly-Si	1491x992; 1510x1000	From 200 to 260 with 5 steps
SV54-XXX E (YYY) (1,5kV)	54	156x156; 156.75x156.75	Mono-Si	1491x992; 1510x1000	From 205 to 295 with 5 steps
SV48-XXX (YYY) (1,5kV)	48	156x156; 156.75x156.75	Poly-Si	1324x992; 1336x1000	From 180 to 230 with 5 steps
SV48-XXX E (YYY) (1,5kV)	48	156x156; 156.75x156.75	Mono-Si	1324x992; 1336x1000	From 185 to 260 with 5 steps
SV36-XXX (YYY) (1,5kV)	36	156x156; 156.75x156.75	Poly-Si	1482x676; 1014x992; 1510x686	From 135 to 175 with 5 steps
SV36-XXX E (YYY) (1,5kV)	36	156x156; 156.75x156.75	Mono-Si	1482x676; 1014x992; 1510x686	From 140 to 195 with 5 steps
SV72(5)-XXX E (YYY) (1,5kV)	72	125x125	Mono-Si	1580x808	From 190 to 230 with 5 steps
SV36(5)-XXX E (YYY) (1,5kV)	36	125x125	Mono-Si	1194x542 828x808	From 95 to 115 with 5 steps

Remarks (glass-backsheet module): XXX = rated power. E = mono solar cells. YYY = optional suffix. The YYY suffix can be: F = black frame and white backsheet; B = silver frame and black backsheet; BC = black frame and black backsheet. Without YYY suffix = silver frame and white backsheet. 1,5kV = optional suffix that means maximum system voltage 1500 Vdc. Without 1,5kV suffix = maximum system voltage 1000 Vdc. Frame thickness = 35 or 40 mm.

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Annex Extended models*

(Extended models according to IEC61215 "Retesting Guideline")

Model name	Cells number	Cell size (mm)	Cell technology	Module size (mm)	Rated power (Wp)
SV60-XXX (YYY) GG22	60	156.75x156.75	Poly-Si	1681x992; 1701x1000	From 225 to 290 with 5 steps
SV60-XXX E (YYY) GG22	60	156.75x156.75	Mono-Si	1681x992; 1701x1000	From 230 to 330 with 5 steps
SV54-XXX (YYY) GG22	54	156.75x156.75	Poly-Si	1532x992; 1550x1000	From 200 to 260 with 5 steps
SV54-XXX E (YYY) GG22	54	156.75x156.75	Mono-Si	1532x992; 1550x1000	From 205 to 295 with 5 steps
SV48-XXX (YYY) GG22	48	156.75x156.75	Poly-Si	1373x992; 1390x1000	From 180 to 230 with 5 steps
SV48-XXX E (YYY) GG22	48	156.75x156.75	Mono-Si	1373x992; 1390x1000	From 185 to 260 with 5 steps
SV36-XXX (YYY) GG22	36	156.75x156.75	Poly-Si	1055x992; 1067x1000	From 135 to 175 with 5 steps
SV36-XXX E (YYY) GG22	36	156.75x156.75	Mono-Si	1055x992; 1067x1000	From 140 to 195 with 5 steps

Remarks (glass-glass module): XXX = rated power. E = mono solar cells. YYY = optional suffix. The YYY suffix can be: F = black frame. Without YYY suffix = silver frame. Frame thickness = 35 or 40 mm.

Chief Operating Officer
Giampiero Belcredi

Additional Information:

Product Certificate nr.: 15508 Rev.6.

Laboratory test reports nr.: M1.09.FVOL.500/37423Rev1, M1.10.FVOL.0645/41130, PVQ01-25638-130010, PS101-25638-130010, PS201-25638-130010, PVQ02-25638-130010, PS102-25638-130010, PS202-25638-130010, PVQ01-25638-130105, PS101-25638-130105, PS201-25638-130105, PVQ01-25638-130151, PS101-25638-130151, PS201-25638-130151, PVQ01-25638-150011, PS101-25638-150011, PS201-25638-150011, PVQ02-25638-150011, PS102-25638-150011, PS202-25638-150011, L0000112 rev.00, L0000165/A rev.01, L0000165/B1 rev.01, L0000165/B2 rev.01, L0000165/B3 rev.01, L0000165/E rev.01, L0002305/A rev.00, L0002305/B rev.00, L0002621/A rev.01, L0002305/C rev.00, L0002885 rev.00.

Il presente attestato è valido ai fini del riconoscimento del premio per gli impianti che utilizzano componenti principali realizzati in Paesi UE/SEE come previsto dal decreto DM 5 luglio 2012 (Quinto Conto Energia). La capacità produttiva indicata viene conteggiata sulla base della massima capacità produttiva teorica annuale dello stabilimento al momento dell'ispezione annuale. Il presente documento non garantisce in alcun modo la completa provenienza europea di tutta la produzione annuale teorica indicata, ma attesta unicamente che alla data dell'ispezione di fabbrica tutti i processi produttivi, la lista materiali utilizzata e l'applicazione del numero seriale sono stati verificati conformemente alle previsioni del decreto DM 5 luglio 2012 (Quinto Conto Energia).

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