

Certificate number	16011 Rev.2	Replaces	16011 Rev.1
Issued	03/03/2020	First edition	09/11/2018
Report number	PKC0003180	Expiry date	08/11/2023
Page	1 of 5	Contract number	PKC0003280

Product Certificate Photovoltaic (PV) Panels

License holder: **Solar Call S.r.l.**
Via Lepetit Roberto 8/10 – 20124 Milano (MI), Italy

Production site(s): Via Cavezzo 26, 25045 – Castegnato (BS), Italy

Model(s): SCP-XXX; SCP-XXX FL; SCM-XXX; SCM-XXX FL; SCM-XXX H;
SCM4-XXX; SCM4-XXX FL; SCM3-XXX; SCM3-XXX FL
(where “XXX” = rated power. 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 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 61215:2005
Crystalline silicon terrestrial photovoltaic (PV) modules – Design qualification and type approval
- IEC 61730-1:2013
Photovoltaic (PV) module safety qualification – Requirements for construction
- IEC 61730-2:2012
Photovoltaic (PV) module safety qualification – Requirements for testing

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

Periodic Inspection of the Factory site(s) performed by Kiwa Cermet Italia, 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.

CERTIFICATE

Kiwa Cermet Italia S.p.A.

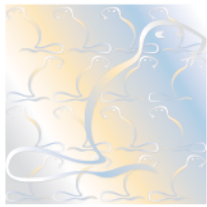
Società con socio unico, soggetta all'attività di direzione e coordinamento di Kiwa Italia Holding Srl

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Chief Operating Officer
Giampiero Belcredi





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Product Certificate Photovoltaic (PV) Panels

Annex Extended models*

Model name	Cells number	Cell size (mm)	Cell technology	Module size (mm)	Rated power (Wp)
SCP-XXX	72	156x156 156.75x156.75	Poly-Si	1956x992	From 270 to 350 in steps of 5
SCP-XXX	60	156x156 156.75x156.75	Poly-Si	1640x992	From 210 to 290 in steps of 5
SCP-XXX	54	156x156 156.75x156.75	Poly-Si	1485x992; 1640x992	From 205 to 260 in steps of 5
SCP-XXX	50	156x156 156.75x156.75	Poly-Si	1640x836; 1640x992	From 180 to 240 in steps of 5
SCP-XXX	48	156x156 156.75x156.75	Poly-Si	1330x992; 1640x992	From 170 to 230 in steps of 5
SCP-XXX	36	156x156 156.75x156.75	Poly-Si	992x992	From 135 to 175 in steps of 5
SCP-XXX	20	156x156 156.75x156.75	Poly-Si	1640x400	From 75 to 95 in steps of 5
SCP-XXX	10	156x156 156.75x156.75	Poly-Si	1640x200	From 35 to 45 in steps of 5
SCP-XXX FL	72	156x156 156.75x156.75	Poly-Si	1950x986	From 270 to 350 in steps of 5
SCP-XXX FL	60	156x156 156.75x156.75	Poly-Si	1634x986	From 210 to 290 in steps of 5
SCP-XXX FL	54	156x156 156.75x156.75	Poly-Si	1479x986; 1634x986	From 205 to 260 in steps of 5
SCP-XXX FL	50	156x156 156.75x156.75	Poly-Si	1634x830; 1634x986	From 180 to 240 in steps of 5
SCP-XXX FL	48	156x156 156.75x156.75	Poly-Si	1324x986; 1634x986	From 170 to 230 in steps of 5
SCP-XXX FL	36	156x156 156.75x156.75	Poly-Si	986x986	From 135 to 175 in steps of 5
SCP-XXX FL	20	156x156 156.75x156.75	Poly-Si	1634x396	From 75 to 95 in steps of 5
SCP-XXX FL	10	156x156 156.75x156.75	Poly-Si	1634x194	From 35 to 45 in steps of 5

Remarks: XXX = rated power. Models SCP-XXX FL, SCM-XXX FL, SCM4-XXX FL and SCM3-XXX FL = frameless modules. Frame thickness = 35 mm, 40 mm, 43 mm or 45 mm.

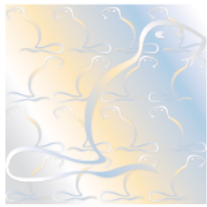
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Annex Extended models*

Model name	Cells number	Cell size (mm)	Cell technology	Module size (mm)	Rated power (Wp)
SCM-XXX	72	156x156 156.75x156.75	Mono-Si	1956x992	From 310 to 385 in steps of 5
SCM-XXX	60	156x156 156.75x156.75	Mono-Si	1640x992	From 225 to 320 in steps of 5
SCM-XXX	54	156x156 156.75x156.75	Mono-Si	1485x992; 1640x992	From 230 to 285 in steps of 5
SCM-XXX	50	156x156 156.75x156.75	Mono-Si	1640x836; 1640x992	From 185 to 265 in steps of 5
SCM-XXX	48	156x156 156.75x156.75	Mono-Si	1330x992; 1640x992	From 180 to 255 in steps of 5
SCM-XXX	36	156x156 156.75x156.75	Mono-Si	992x992	From 150 to 190 in steps of 5
SCM-XXX	20	156x156 156.75x156.75	Mono-Si	1640x400	From 75 to 105 in steps of 5
SCM-XXX	10	156x156 156.75x156.75	Mono-Si	1640x200	From 40 to 50 in steps of 5
SCM-XXX FL	72	156x156 156.75x156.75	Mono-Si	1950x986	From 310 to 385 in steps of 5
SCM-XXX FL	60	156x156 156.75x156.75	Mono-Si	1634x986	From 225 to 320 in steps of 5
SCM-XXX FL	54	156x156 156.75x156.75	Mono-Si	1479x986; 1634x986	From 230 to 285 in steps of 5
SCM-XXX FL	50	156x156 156.75x156.75	Mono-Si	1634x830; 1634x986	From 185 to 265 in steps of 5
SCM-XXX FL	48	156x156 156.75x156.75	Mono-Si	1324x986; 1634x986	From 180 to 255 in steps of 5
SCM-XXX FL	36	156x156 156.75x156.75	Mono-Si	986x986	From 150 to 190 in steps of 5
SCM-XXX FL	20	156x156 156.75x156.75	Mono-Si	1634x396	From 75 to 105 in steps of 5
SCM-XXX FL	10	156x156 156.75x156.75	Mono-Si	1634x194	From 40 to 50 in steps of 5

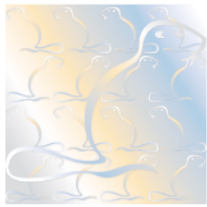
Remarks: XXX = rated power. Models SCP-XXX FL, SCM-XXX FL, SCM4-XXX FL and SCM3-XXX FL = frameless modules. Frame thickness = 35 mm, 40 mm, 43 mm or 45 mm.

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Annex Extended models*

Model name	Cells number	Cell size (mm)	Cell technology	Module size (mm)	Rated power (Wp)
SCM-XXX H	72	125x125	Mono-Si	1580x808	From 165 to 200 in steps of 5
SCM-XXX H	48	125x125	Mono-Si	1008x540	From 110 to 135 in steps of 5
SCM-XXX H	36	125x125	Mono-Si	754x404	From 85 to 100 in steps of 5
SCM-XXX H	24	125x125	Mono-Si	504x270	From 55 to 65 in steps of 5
SCM-XXX H	12	125x125	Mono-Si	252x135	From 25 to 35 in steps of 5
SCM4-XXX	72	161.75x161.75	Mono-Si	2015x1021	From 355 to 425 in steps of 5
SCM4-XXX	60	161.75x161.75	Mono-Si	1690x1021	From 295 to 355 in steps of 5
SCM4-XXX	54	161.75x161.75	Mono-Si	1535x1021	From 265 to 320 in steps of 5
SCM4-XXX	50	161.75x161.75	Mono-Si	1690x854	From 245 to 295 in steps of 5
SCM4-XXX	48	161.75x161.75	Mono-Si	1350x1021	From 235 to 285 in steps of 5
SCM4-XXX	36	161.75x161.75	Mono-Si	1021x1021	From 180 to 210 in steps of 5
SCM4-XXX	20	161.75x161.75	Mono-Si	1690x410	From 100 to 115 in steps of 5
SCM4-XXX	10	161.75x161.75	Mono-Si	1690x210	From 50 to 55 in steps of 5
SCM4-XXX FL	72	161.75x161.75	Mono-Si	2010x1015	From 355 to 425 in steps of 5
SCM4-XXX FL	60	161.75x161.75	Mono-Si	1685x1015	From 295 to 355 in steps of 5
SCM4-XXX FL	54	161.75x161.75	Mono-Si	1498x1015	From 265 to 320 in steps of 5
SCM4-XXX FL	50	161.75x161.75	Mono-Si	1685x850	From 245 to 295 in steps of 5
SCM4-XXX FL	48	161.75x161.75	Mono-Si	1354x1015	From 235 to 285 in steps of 5
SCM4-XXX FL	36	161.75x161.75	Mono-Si	1015x1015	From 180 to 210 in steps of 5
SCM4-XXX FL	20	161.75x161.75	Mono-Si	1685x400	From 100 to 115 in steps of 5
SCM4-XXX FL	10	161.75x161.75	Mono-Si	1685x200	From 50 to 55 in steps of 5

Remarks: XXX = rated power. Models SCP-XXX FL, SCM-XXX FL, SCM4-XXX FL and SCM3-XXX FL = frameless modules. Frame thickness = 35 mm, 40 mm, 43 mm or 45 mm.

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Annex Extended models*

Model name	Cells number	Cell size (mm)	Cell technology	Module size (mm)	Rated power (Wp)
SCM3-XXX	72	158.75x158.75	Mono-Si	1979x1002	From 355 to 425 in steps of 5
SCM3-XXX	60	158.75x158.75	Mono-Si	1665x1002; 1979x1002	From 295 to 355 in steps of 5
SCM3-XXX	54	158.75x158.75	Mono-Si	1485x992; 1665x1002	From 265 to 320 in steps of 5
SCM3-XXX	50	158.75x158.75	Mono-Si	1665x846	From 245 to 295 in steps of 5
SCM3-XXX	48	158.75x158.75	Mono-Si	1340x1002; 1665x1002	From 235 to 285 in steps of 5
SCM3-XXX	36	158.75x158.75	Mono-Si	1002x1002	From 180 to 210 in steps of 5
SCM3-XXX FL	72	158.75x158.75	Mono-Si	1972x996	From 355 to 425 in steps of 5
SCM3-XXX FL	60	158.75x158.75	Mono-Si	1659x996; 1972x996	From 295 to 355 in steps of 5
SCM3-XXX FL	54	158.75x158.75	Mono-Si	1479x986 1659x996	From 265 to 320 in steps of 5
SCM3-XXX FL	50	158.75x158.75	Mono-Si	1659x840	From 245 to 295 in steps of 5
SCM3-XXX FL	48	158.75x158.75	Mono-Si	1334x996; 1659x996	From 235 to 285 in steps of 5
SCM3-XXX FL	36	158.75x158.75	Mono-Si	996x996	From 180 to 210 in steps of 5

Remarks: XXX = rated power. Models SCP-XXX FL, SCM-XXX FL, SCM4-XXX FL and SCM3-XXX FL = frameless modules. Frame thickness = 35 mm, 40 mm, 43 mm or 45 mm.

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Laboratory test reports nr.: PVQ01 17113-100115; PS201 17113-100115; PVQ02 17113-100115; PS202 17113-100115; PVQ02 17113-100572; PS202 17113-100572; PVQ01 17113-100572; PS201 17113-100572; PVQ01 17113-100474; PS201 17113-100474; PVQ01 17113-110197; PS201 17113-110197; PVQ01 17113-110202; PS201 17113-110202; PVQ01 17113-110203; PS101 17113-110203; PS201 17113-110203; PVQ01 17113-110463; PS201 17113-110463; PVQ01 17113-110482; PS201 17113-110482; PVQ01 17113-120018; PS101 17113-120018; PS201 17113-120018; AR13 TEST 099; L0001416 rev.00; L0001334 rev.00; L0001539 rev.00; L0001694/A rev.01; L0001764 rev.2 - CB01; L0001764 rev.2 - CB02; L0001764 rev.2 - CB03; 1308.OCI0262/17; L0002176 rev.00; L0002744/A rev.00; L0002744/B rev.00; L0003043 rev.00; L0003224/A rev.00; L0003224/B rev.00; L0003807/B rev.00.

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