



Certificate number	15523 Rev.3	Replaces	15523 Rev.2
Issued	08/09/2020	First edition	17/04/2018
Report number	PKC0002620	Expiry date	10/05/2023
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## Product Certificate Photovoltaic (PV) Panels

**License holder:** **Coenergia S.r.l.**  
Strada Pavesa, 13, 46023 Bondeno di Gonzaga (MN), Italy

**Production site(s):** Cehovska 106 HR-42000 Varazdin, Croatia

**Model(s):** COE-xxxPyyL; COE-xxxMyyEL; COE-xxxM5yyEL  
(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) was not 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](mailto: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.**

**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\*

(Extended models according to IECCE "Retesting Guideline")

Model name	Cells number	Cell size (mm)	Cell technology	Module size (mm)	Rated power (Wp)
COE-xxxP72L	72	156x156; 156.75x156.75	Poly-Si	1962x992; 1956x992; 1976x1000; 1981x1000	From 280 to 350 in steps of 5
COE-xxxM72EL	72	156x156; 156.75x156.75	Mono-Si	1962x992; 1956x992; 1976x1000; 1981x1000	From 295 to 395 in steps of 5
COE-xxxP60L	60	156x156; 156.75x156.75	Poly-Si	1650x992; 1640x992; 1660x1000	From 225 to 290 in steps of 5
COE-xxxM60EL	60	156x156; 156.75x156.75	Mono-Si	1650x992; 1640x992; 1660x1000	From 230 to 330 in steps of 5
COE-xxxP54L	54	156x156; 156.75x156.75	Poly-Si	1491x992; 1510x1000	From 200 to 260 in steps of 5
COE-xxxM54EL	54	156x156; 156.75x156.75	Mono-Si	1491x992; 1510x1000	From 205 to 295 in steps of 5
COE-xxxP48L	48	156x156; 156.75x156.75	Poly-Si	1324x992; 1336x1000	From 180 to 230 in steps of 5
COE-xxxM48EL	48	156x156; 156.75x156.75	Mono-Si	1324x992; 1336x1000	From 185 to 260 in steps of 5
COE-xxxP36L	36	156x156; 156.75x156.75	Poly-Si	1482x676; 1014x992; 1510x686	From 135 to 175 in steps of 5
COE-xxxM36EL	36	156x156; 156.75x156.75	Mono-Si	1482x676; 1014x992; 1510x686	From 140 to 195 in steps of 5
COE-xxxM572EL	72	125x125	Mono-Si	1580x808	From 190 to 230 in steps of 5
COE-xxxM536EL	36	125x125	Mono-Si	1194x542; 828x808	From 95 to 115 in steps of 5

Remarks: xxx = rated power. Frame thickness = 35 or 40 mm.

Chief Operating Officer  
Gianpiero Belcredi

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, L0002885 rev.00.

CERTIFICATE

Kiwa Cermet Italia S.p.A.

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