



Certificate number	16400 Rev.4	Replaces	16400 Rev.3
Issued	25/02/2021	First edition	12/09/2019
Report number	IN0000370	Expiry date	11/09/2024
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Product Certificate Photovoltaic (PV) Panels

License holder:	Elin Elektrik İnş. Müş. Proje Taah. Tic. Ve San. A.Ş. Maliköy Şb. Maliköy Başkent O.S.B. Mah. 23 Cad. No:2 Sincan / Ankara Turkey
Production site(s):	Elin Elektrik İnş. Müş. Proje Taah. Tic. Ve San. A.Ş. Maliköy Şb. Maliköy Başkent O.S.B. Mah. 23 Cad. No:2 Sincan / Ankara Turkey
Model(s):	ELNSM6612P-XXX; ELNSM6612M-XXX; ELNSM6610P-XXX; ELNSM6610M-XXX; ElinPlus ELNSM6612M-XXX; ElinPlus ELNSM6610M-XXX (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 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
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1: Test requirements
- IEC 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
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 2: Test procedures
- IEC 61730-1:2016
Photovoltaic (PV) module safety qualification – Part 1: Requirements for construction
- IEC 61730-2:2016
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 1000 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

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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
Gambiero Belcredi





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Annex Extended models*

Model name	Cells number	Cell size (mm)	Cell technology	Module size (mm)	Rated power (Wp)
ELNSM6612P-XXX	72	156,75x156,75	Poly-Si	1980x990x40; 1954x990x40	From 325 to 335 in steps of 5
ELNSM6612M-XXX	72	156,75x156,75	Mono-Si	1980x990x40; 1954x990x40	From 370 to 385 in steps of 5
ElinPlus ELNSM6612M-XXX	72	158,75x158,75	Mono-Si	1979x1002x40	From 390 to 405 in steps of 5
ELNSM6610P-XXX	60	156,75x156,75	Poly-Si	1665x990x35; 1665x990x40; 1648x990x35; 1648x990x40	From 275 to 280 in steps of 5
ELNSM6610M-XXX	60	156,75x156,75	Mono-Si	1665x990x35; 1665x990x40; 1648x990x35; 1648x990x40	From 310 to 330 in steps of 5
ElinPlus ELNSM6610M-XXX	60	158,75x158,75	Mono-Si	1665x1002x35; 1665x1002x40	335

Remarks: XXX = rated power.

Chief Operating Officer
Giampiero Belcredi

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