

CERTIFICATE



Certificate number	16985 Rev.0	Replaces	-
Issued	03/12/2021	First edition	03/12/2021
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Product Certificate Photovoltaic (PV) Panels

License holder: Alfa Solar Enerji İnşaat Sanayi Ve Tic A.Ş
Mevlana Bulvarı Balgat Mahallesi, No:139 Kat:9, Yelken Plaza
Çankaya, Ankara, Turkey

Production site ref. nr.: IN0000600

Model(s): A5S144MXXX, A5S120MXXX, A9S144MXXX, A9S120MXXX
(see extended models in the Annex)*

The product as listed in this certificate and marked with the below given Kiwa Certmet Italia mark for Photovoltaic (PV) Panels, can be considered complying to the requirements of Kiwa Certmet 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 max. min. system voltage (V_{oc} at STC) up to 1500 V_{oc} (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 Certmet 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@kiwacertmet.it

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Kiwa Certmet Italia S.p.A.
Società con socio unico, soggetta
all'attività di direzione e
coordinamento di Kiwa Italia
Holding Srl
Via Cadriano, 28
40067 Casalecchio dell'Emilia (BO)
Tel +39 051 459 3111
Fax +39 051 703 332
E-mail: info@kiwacertmet.it
www.kiwa.it
www.kiwacertmet.it

Chief Operating Officer
Giampaolo Belcredi

