

Certificate number	17509 Rev.2	Replaces	17509 Rev.1
Issued	26/06/2024	First edition	15/01/2024
Report number	PKC0011649	Expiry date	14/01/2029
Page	1 of 2	Contract number	PKC0012965

Product Certificate Photovoltaic (PV) Panels

License holder:	ONYX SOLAR ENERGY S.L. C/Rio Cea 1-46, Pol. De las Hervencias - 05004 Ávila, Spain
Production site(s):	ONYX SOLAR ENERGY S.L. C/Palma de Mallorca parc.8. Pol. Vicolozano - 05194 Vicolozano, Ávila, Spain
Model(s):	ONYX G/GM07244; ONYX G/GM07211; ONYX G/GM07244C; ONYX G/G M06044C; ONYX G/GM03644; ONYX G/GM01688A

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 61215-1:2021 / EN IEC 61215-1:2021
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1: Test requirements
- IEC 61215-1-1:2021 / EN IEC 61215-1-1:2021
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-1: Special requirements for testing of crystalline silicon photovoltaic (PV) modules
- IEC 61215-2:2021 / EN IEC 61215-2:2021
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 2: Test procedures
- EN IEC 61730-1:2018
Photovoltaic (PV) module safety qualification – Part 1: Requirements for construction
- EN IEC 61730-2:2018
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 A) 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.

Any total or partial reproduction of this document in any form, without Kiwa Cermet Italia express authorization, is prohibited.

Industry Division Manager
Maurizio Lorenzon



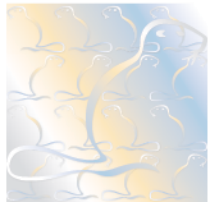
Kiwa Cermet Italia S.p.A.
Società con socio unico, soggetta all'attività di direzione e coordinamento di Kiwa Italia Holding Srl

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PRD N° 069B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements

CERTIFICATE



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Annex

Model name	Cells number	Cell size (mm)	Cell technology	Module size (mm)	Rated power (Wp)
ONYX G/GM07244	72	158,75x158,75	Mono-Si	2000x1000x9,8	355
ONYX G/GM07211	72	158,75x158,75	Mono-Si	2000x1000x21,8	333
ONYX G/GM07244C	72	158,75x158,75	Mono-Si	2000x1000x9,8	284
ONYX G/GM06044C	60	158,75x158,75	Mono-Si	1700x1000x9,8	245
ONYX G/GM03644	36	158,75x158,75	Mono-Si	1650x850x9,8	175
ONYX G/GM01688A	16	158,75x158,75	Mono-Si	750x750x17,8	70

Industry Division Manager
Maurizio Lorenzon

Laboratory test reports nr.: L0011649/A rev.00; L0011649/B rev.00; L0011649/C rev.00; L0011649/D rev.00;
1981.0CI0262/23 rev. no. 1; L0013063 rev.00.

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