

# CERTIFICATE

Certificate number	17491 Rev.0	Replaces	-
Issued	21/12/2023	First edition	21/12/2023
Report number	PKC0011648	Expiry date	20/12/2028
Page	1 of 2	Contract number	PKC0012927

## Product Certificate Photovoltaic (PV) Panels

<b>License holder:</b>	<b>ONYX SOLAR ENERGY S.L.</b> C/Rio Cea 1-46, Pol. De las Hervencias - 05004 Ávila, Spain
<b>Production site(s):</b>	ONYX SOLAR ENERGY S.L. C/Palma de Mallorca parc.8. Pol. Vicolozano - 05194 Vicolozano, Ávila, Spain
<b>Model(s):</b>	ONYX G/GB05446

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
- IEC 61730-1:2016 / EN IEC 61730-1:2018  
Photovoltaic (PV) module safety qualification – Part 1: Requirements for construction
- IEC 61730-2:2016 / 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](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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Industry Division Manager

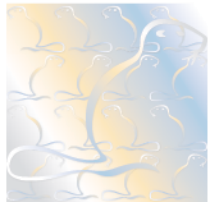
Maurizio Lorenzon



PRD N° 069B

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





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Page 2 of 2 Contract number PKC0012927

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### Annex

Model name	Cells number	Cell size (mm)	Cell technology	Module size (mm)	Rated power (Wp) at STC	Rated power (Wp) at BNPI
ONYX G/GB05446	54	158,75x158,75	Mono-Si Bifacial	1515x1030x11,8	265	305

**Remarks:**

Industry Division Manager  
Maurizio Lorenzon

Laboratory test reports nr.: L0011648 rev.00; 1980.0CI0262/23.

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