

Number KIP-089272/01 Replaces -  
Issued 31/08/2015 Expiry date 30/08/2020  
Report number 141200679 Contract number KIP PV 920  
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## Product Certificate Photovoltaic (PV) Panels

The products:

**License holder:** GES Gebäude - Energiesysteme GmbH  
Gewerbegebiet Korbwiesen Wiesenring 2 D-07554 Korbußen, Germany

**Production site:** GSS Gebäude - Solarsysteme GmbH  
Gewerbegebiet Korbwiesen Wiesenring 2 D-07554 Korbußen, Germany

**Models:** ZRExxxGzF-yyP6+L; ZRExxxGzF-yyM6+L;  
ZRExxxGzGw-yyP6+L; ZRExxxGzG2w-yyM6+L  
(and extended models, where xxx = rated power, z = thickness of front glass,  
w = thickness of rear glass, yy = number of solar cells)\*

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 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 EN ISO/IEC 17025: 2005 -see annex-, using the following standards:

- IEC 61215:2005 / EN 61215:2005  
Crystalline silicon terrestrial photovoltaic (PV) modules – Design qualification and type approval
- IEC 61730-1:2013 / EN 61730-1/A2:2013  
Photovoltaic (PV) module safety qualification – Requirements for construction
- IEC 61730-2:2012 / EN 61730-2/A1:2012  
Photovoltaic (PV) module safety qualification – Requirements for testing

**Remarks:** To be used in plants at a maximum system voltage ( $V_{oc}$  at STC) up to 1000 Vdc  
(application Class A); fire test (IEC 61730-2 / MST 23) was not 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 for Product Certification. Publication of the certificate is allowed.

Chief Operating Officer  
Giampiero Belcredi



Member of the IECCE CB-Scheme



**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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SGQ N° 007A SSI N° 006G  
SGA N° 010D FSM N° 004I  
PRD N° 069B

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### Annex Extended models\*

- Superstrate Glass: refer to the CDF nr. 141200679 rev.00
- Substrate Glass: refer to the CDF nr. 141200679 rev.00
- Substrate Tedlar: refer to the CDF nr. 141200679 rev.00
- Maximum module size: length 3600 mm, width 2200 mm
- Maximum peak Power: 1250 Wp (Poly-Si module); 1350 Wp (Mono-Si module)
- Maximum system Voltage: 1000 V
- Encapsulation material type: refer to the CDF nr. 141200679 rev.00
- Maximum number of cells per module: 286
- Maximum number of cells per bypass diode: 24
- Cells type: refer to the CDF nr. 141200679 rev.00
- Junction box type: refer to the CDF nr. 141200679 rev.00
- By-pass diode type: refer to the CDF nr. 141200679 rev.00
- Cables and connectors type: refer to the CDF nr. 141200679 rev.00
- Glass sizes and glass thicknesses may be varied, subject to meeting the glazing and building national standards, with a consideration to the imposed static and live loads

Chief Operating Officer  
Giampiero Belcredi



Laboratory tests reports nr.: L141200679/A rev.0; L141200679/B rev.0.

Certificate

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