

Certificate number 7654 Rev.0 Replaces -
Issued 31/07/2024 First edition 31/07/2024
Report number PKC0013147 Expiry date 30/07/2029
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Certificate of Type Testing Conformity

License holder: **Tenka Solar GmbH**
Landsbergerstrasse 155, Haus 1, 80687, Munich, Germany

Production site(s): Taizhou Tenka Solar Technology Co., Ltd.
No.8460, 4th floor, Building 1, E-work Industrial Park,, Taizhou,
China

Product: Photovoltaic (PV) module

Model(s): Orion III - 450 M
(see extended models in the Annex)*

Kiwa Cermet Italia hereby declares that the product can be considered complying to the type testing based upon the following aspects:

- 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
- Test MQT 17 - Hail test
Spheres reference diameter = 45 mm. Spheres reference speed = 30.7 m/sec
- Kiwa Cermet Italia Guideline "TD Ki – 0409, Solar Products and Components"

Modifications to the product, may imply re-testing and re-certification.

This type testing certificate does not include the Initial and the Periodic Inspection of the production samples and does not certify the quality and safety of the serial products.

This certificate is issued in accordance with the Kiwa Cermet Italia regulations for Product Certification. Publication of the certificate is allowed.

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all'attività di direzione e
coordinamento di Kiwa Italia
Holding Srl**

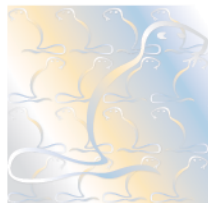
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Industry Division Manager
Maurizio Lorenzon



PRD N° 069B

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Annex Extended models*

Model name	Cells number	Cell size (mm)	Cell technology	Module size (mm)	Rated power (Wp)
Orion III – XXX M	108	182x91	Orion	1724x1134x30	From 410 to 465 in steps of 5
Orion IV – XXX M	108	182x91	Orion	1724x1134x30	From 410 to 465 in steps of 5

Remarks:

XXX = rated power.

Module size can vary up to ± 4 cm. This variation does not influence the result of the hail test.

Industry Division Manager
Maurizio Lorenzon

Laboratory test reports nr.: L0013147 rev.01.

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