



ZERTIFIKAT CERTIFICATE

**für die überwachte Fertigungsstätte
for the approved factory**

**Bisol Proizvodnja, d.o.o.
Latkova vas 59a
3312 Prebold
Slovenia**

Die Inspektion erfolgte gemäß dem **Harmonisierten Werksinspektions-Verfahren** und dessen Anforderungen (CIG 021, CIG 022, CIG 023, CIG 024).

Die Anforderungen wurden erfüllt.

Produktkategorie:
Photovoltaik (PV) Module

Weitere Angaben siehe Seite 2 bis 3

Zertifikats Nummer: **49368(2)-20231213**

Datum der Inspektion: **2023-12-13**

Das Zertifikat gilt bis: **2025-03-13**

The inspection was performed according to the **Harmonized Factory Inspection Procedure** and its requirements (CIG 021, CIG 022, CIG 023, CIG 024).

The requirements have been fulfilled.

Product Category:
Photovoltaic (PV) Modules

Additional information see pages 2 to 3

Certificate Number: **49368(2)-20231213**

Date of Inspection: **2023-12-13**

The Certificate is valid till: **2025-03-13**

Österreichischer Verband für Elektrotechnik
Head of OVE Certification

T. Neumayer

Digitally signed by T. Neumayer
Email=t.neumayer@ove.at

Dipl.-Ing. T. Neumayer




Wien, 2024-03-13

OVE Certification

Accredited by the Austrian National Accreditation Body as Certification Body for products within the scope as given in the official decree and published under <https://akkreditierung-austria.gv.at>.



<i>OVE CIG 023 Inspektionsbericht Ref.Nr.</i> 49368_2023-12-13 <i>OVE CIG 023 Inspection Report Ref.No.</i>	
<i>Zertifikatsinhaber</i> <i>Licence Holder</i>	Bisol Proizvodnja d.o.o Latkova vas 59a 3312 Prebold Slovenia
<i>Fertigungsstätte</i> <i>Factory location</i>	Bisol Proizvodnja d.o.o Latkova vas 59a 3312 Prebold Slovenia
<i>Fertigungskennung am Produkt</i> <i>Factory Identification Code on product</i>	Made in EU (see also Factory Code in Serial No.)
<i>Erzeugnis</i> <i>Product</i>	Photovoltaic (PV) modules
<i>Warenzeichen</i> <i>Trade Mark</i>	
<i>Typenbezeichnung</i> <i>Type reference</i>	PV Modules with Half-cut 210mm TOPCon Mono-crystalline Silicon Solar Cells 132 cells: BBO-xxx (xxx=670-700, in increment of 5) 120 cells: BBO-xxx (xxx=610-635, in increment of 5) 110 cells: BDO-xxx (xxx=560-580, in increment of 5) 100 cells: BDO-xxx (xxx=510-530, in increment of 5) PV Modules with Half-cut 182mm TOPCon Mono-crystalline Silicon Solar Cells 144 cells: BBO-xxx (xxx=550-570, in increment of 5) 132 cells: BBO-xxx (xxx=500-525, in increment of 5) 120 cells: BDO-xxx (xxx=460-475, in increment of 5) 108 cells: BDO-xxx (xxx=410-430, in increment of 5)

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<p>OVE-Zertifikats Nr. OVE-Certificate No.</p>	<p>The above listed PV Modules are certified by TÜV-Nord under the certificate # 44 780 23 406749 - 177</p>
<p><i>Folgende Produktionsschritte sind in der genannten Fertigungsstätte installiert</i></p> <p><i>Following production steps are taking in place in the listed factory location</i></p>	<p>IEC 61215-1:2016 / EN 61215-1:2016 IEC 61215-1-1:2016 / EN 61215-1-1:2016 IEC 61215-2:2016 / EN 61215-2:2017 + AC:2017 + AC:2018; IEC 61730-1:2016 / EN IEC 61730-1:2018 + AC:2018 IEC 61730-2:2016 / EN IEC 61730-2:2018 + AC:2018</p> <ul style="list-style-type: none"> ➤ Interconnection of the cells (tabbing and stringing) ➤ Assembling ➤ Lamination ➤ Routine tests <ul style="list-style-type: none"> - Insulation test at 4800 VDC - Measurement of output power - Functional test - Optical control ➤ Labelling (type plate)
<p><i>Inspektionsprozedur</i></p> <p><i>Inspection procedure</i></p>	<p>The factory based in the European Union location is under the periodic surveillance program of OVE (Austrian Electrotechnical Association).</p> <p>The inspection was performed according to the Harmonized Factory Inspection Procedure and its requirements (CIG 021, CIG 022, CIG 023, CIG 024) considering the product specific requirements for routine and product verification tests in order to verify the capability to manufacture the products strictly identical to the certified versions.</p>
<p><i>Produktionskontrollen und Routinetests</i></p> <p><i>Production Control and Routine Tests</i></p>	<p>According to OVE test instruction OVE-P 61730-1 / 61215 / 61646</p>
<p><i>Kennzeichnung am Produkt</i></p> <p><i>Marking on Product</i></p>	<p>Trademark (see page 2)</p> <p>Type Reference (see page 2)</p> <p>Production date Year-Month</p> <p>Technical Data Class of protection Max. System Voltage Power-, Voltage- and Current- rating</p> <p>Serial Number Digit 1 Factory Location Code:</p> <p>Identification 1= Bisol Proizvodnja d.o.o Latkova vas 59a 3312 Prebold Slovenia</p> <p>Digit 2-10 Sequence No. (numerical Serial No.)</p> <p>Place of Manufacture Made in EU (see also Factory Code in Serial No.)</p>

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