

Certificate



This certifies that the company:

BISOL Production, Ltd.
Latkova vas 59a
SI - 3312 PREBOLD

is authorized to provide the product(s) mentioned below with the mark as illustrated.

Manufacturer and factory(-ies): See Annex 1

Description of product(s) (details see Annex 2): **Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**

Trademark: See Annex 1

Certification scheme: P12.4-VA-01 Rev. 01 / 01.26 Certification scheme type: Type 5 acc. to ISO/IEC 17067:2013

Certification fundamental(s): IEC 61215-1:2021 / EN IEC 61215-1:2021, IEC 61215-1-1:2021 / EN IEC 61215-1-1:2021, IEC 61215-2:2021 / EN IEC 61215-2:2021, IEC 61730-1:2023, IEC 61730-2:2023

It is certified by TÜV NORD CERT GmbH that the product(s) described above has(have) been assessed according to the certification program mentioned above and found in compliance with the requirements of above specified certification fundamental(s). This certification is based on evaluation results as documented in test report(s) referenced below and production site(s) audit results as documented in factory inspection report(s) referenced in Annex 1. This certificate is valid in conjunction with these quoted report(s).

Registration no.: 44 780 25 406749 - 175R1M1
Report no.: 492013672.002
File no.: PVP12091/25P-001

Valid from: 2026-04-16
Valid until: 2030-07-03

Essen, 2026-04-16

Certification Body - Consumer Products

TÜV NORD CERT GmbH
Am TÜV 1, 45307 Essen, Germany
tuev-nord-cert.de | prodcert@tuev-nord.de



Scan the QR code or visit cis.tuev-nord.com.cn to verify the validity of the certificate

Please also pay attention to the information stated overleaf.

Annex 1

to certificate registration no. 44 780 25 406749 – 175R1M1

Manufacturer: **BISOL Production, Ltd.**
Latkova vas 59a
SI - 3312 PREBOLD

Trademark:



Factory : **BISOL Production, Ltd.**
Latkova vas 59a
SI - 3312 PREBOLD

Factory inspection report no.: 862011058.002

Remark: Factory inspection is mandatory to be performed annually. Please refer to factory inspection report for detailed information.

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Annex 2

to certificate registration no. 44 780 25 406749 – 175R1M1

Description of product(s):

Module types:	Single Glass PV Modules with 182mm x 91mm TOPCon Mono-crystalline Silicon Solar Cells: 132 cells: BBO-xxx (xxx=525-535, in steps of 5) 108 cells: BDO-xxx (xxx=430-435, in steps of 5) 108 cells: BSO-xxx (xxx=430-435, in steps of 5) Remark: xxx indicates rated output power generated from front side under STC
Maximum system voltage:	1500V
Maximum overcurrent protection rating:	30A
Electrical protection class:	Class II
Pollution degree:	1
98 th percentile module operating temperature (T ₉₈):	70°C
Design load (positive / negative):	4666Pa / 1600Pa for BBO-xxx 4000Pa / 1600Pa for BDO-xxx 7333Pa / 1600Pa for BSO-xxx Refer to CDF for details
Safety factors:	1.5
Fire safety class:	Class C according to UL790
Isc bifaciality coefficient (ϕ _{Isc}):	78% ± 10%

Module types:	Single Glass PV Modules with 182.3mm x 105mm TOPCon Mono-crystalline Silicon Solar Cells: 132 cells: BHO-630 120 cells: BGO-xxx (xxx=560-575, in steps of 5) 108 cells: BBO-xxx (xxx=490-520, in steps of 5) 96 cells: BDO-xxx (xxx=435-460, in steps of 5) 96 cells: BSO-xxx (xxx=435-460, in steps of 5) Remark: xxx indicates rated output power generated from front side under STC
Maximum system voltage:	1500V
Maximum overcurrent protection rating:	30A

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Annex 2

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Electrical protection class:	Class II
Pollution degree:	1
98 th percentile module operating temperature (T_{98}):	70°C
Design load (positive / negative):	4666Pa / 1600Pa for BHO-xxx 4666Pa / 1600Pa for BGO-xxx 4666Pa / 1600Pa for BBO-xxx 4000Pa / 1600Pa for BDO-xxx 7333Pa / 1600Pa for BSO-xxx Refer to CDF for details
Safety factors:	1.5
Fire safety class:	Class C according to UL790
Isc bifaciality coefficient (ϕ_{Isc}):	78% \pm 10%

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) with the same file no.
Isc bifaciality coefficient (ϕ_{Isc}) = $I_{Sc_{rear}}/I_{Sc_{front}}$, as defined in IEC TS 60904-1-2.
The tolerance of Isc bifaciality coefficient (ϕ_{Isc}) is claimed by client.

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