

Certificate of conformity with the following European Directives

Registered No.: 44 799 22 406749 - 055
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Low-Voltage Directive 2014/35/EU

Date of application	File reference	Test report No.	Date of issue	Place of issue
2022-04-13	PVP04029/22P	492012014.001	2022-05-20	Essen

This is to certify that the following products comply to the essential requirements of the above mentioned European Directive and the following standards, taking into account the German national deviations:

Product: Crystalline Silicon Terrestrial Photovoltaic (PV) Modules

Type designation: See Annex 1

Applicant: **V-TAC EUROPE LTD**
9B Lyuben Karavelov Blvd. Plovdiv, Bulgaria

Standard(s): EN IEC 61730-1:2018; EN IEC 61730-1:2018/AC:2018-06
EN IEC 61730-2:2018; EN IEC 61730-2:2018/AC:2018-06

This Certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT GmbH. The holder of this certificate may use this Certificate together with his EC-Declaration of Conformity.

Certification Body
Specialist Manager Consumer Products

TÜV NORD CERT GmbH
Am TÜV 1
D-45307 Essen
P.O.Box 10 32 61
D-45032 Essen
Fon: +49 (0)201 825-5120
Fax: +49 (0)201 825-3209
Email: prodcert@tuev-nord.de

Description of product(s):

Module types: **PV Modules with 7'' Half-cut Mono-crystalline Silicon Solar Cells:**

144 cells: VT-xxx(144) (xxx=525-550, in increment of 5)

132 cells: VT-xxx(132) (xxx=480-505, in increment of 5)

120 cells: VT-xxx(120) (xxx=440-460, in increment of 5)

108 cells: VT-xxx(108) (xxx=395-410, in increment of 5)

Module types: **PV Modules with 6'' Half-cut Mono-crystalline Silicon Solar Cells:**

144 cells: VT-xxx(144) (xxx=430-460, in increment of 5)

132 cells: VT-xxx(132) (xxx=395-420, in increment of 5)

120 cells: VT-xxx(120) (xxx=360-380, in increment of 5)

CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

V-TAC EUROPE LTD
9B Lyuben Karavelov Blvd.
Plovdiv
Bulgaria

is authorized to provide the product mentioned below with the mark as illustrated:

Description of product (details see Annex 2):

Crystalline Silicon Terrestrial Photovoltaic (PV) Modules



Valid from: 2022-05-18

Valid until: 2026-04-13

Certification program:	P12-VA-01 Rev. 17 09.20
Certification fundamental(s):	IEC / EN 61215-1:2016; IEC / 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.
Registered No.:	44 780 22 406749 - 086
Manufacturer:	see Annex 1
Test Report No.:	492012014.001
File No.:	PVP04029/22P



Essen, 2022-05-18

TÜV NORD CERT GmbH
Certification Body
Consumer Products

Please also pay attention to the information stated overleaf.

Remark:

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

Description of product(s):

Module types:	PV Modules with 7" Half-cut Mono-crystalline Silicon Solar Cells: 144 cells: VT-xxx(144) (xxx=525-550, in increment of 5) 132 cells: VT-xxx(132) (xxx=480-505, in increment of 5) 120 cells: VT-xxx(120) (xxx=440-460, in increment of 5) 108 cells: VT-xxx(108) (xxx=395-410, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	20A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	1600Pa /1600Pa or 3600Pa / 1600Pa, refer CDF for details
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)

Module types:	PV Modules with 6" Half-cut Mono-crystalline Silicon Solar Cells: 144 cells: VT-xxx(144) (xxx=430-460, in increment of 5) 132 cells: VT-xxx(132) (xxx=395-420, in increment of 5) 120 cells: VT-xxx(120) (xxx=360-380, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	20A
Electrical protection class:	Class II
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Material group:	I
Design load (positive / negative):	1600Pa /1600Pa or 3600Pa / 1600Pa, refer CDF for details
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 1 of test report.

Declaration

by

V-TAC EUROPE LTD
9B Lyuben Karavelov Blvd.
Plovdiv, Bulgaria

to

TÜV NORD CERT GmbH
Am TÜV 1
45307 Essen
Germany

V-TAC EUROPE LTD and TÜV NORD (Hangzhou) Co., Ltd. have entered into an agreement regarding certification against IEC / EN 61215-1:2016; IEC / 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. requirements based on the proposal dated 13.04.2022. TÜV NORD CERT GmbH, as the competent Conformity Assessment Body within TÜV NORD GROUP, needs to have the right of direct surveillance of the certification process and procedure, conformity statements (such as but not limited to certificates, marks of conformity, testing or inspection reports, etc.). For the avoidance of doubt TÜV NORD CERT GmbH shall bear no liability vis-à-vis the **V-TAC EUROPE LTD**. Correspondingly, **V-TAC EUROPE LTD** declares:

V-TAC EUROPE LTD herewith declares and confirms unconditionally and irrevocably to grant TÜV NORD CERT GmbH the right of surveillance of the certification process and procedure, conformity statements (such as but not limited to certificates, marks of conformity, testing or inspection reports, etc.) in accordance with applicable accreditation rules and regulations as well as in accordance with the TÜV NORD CERT GmbH General Conditions for Testing and Certification of Products (see www.tuev-nord-cert.com – Download). Thus, TÜV NORD CERT GmbH has inter alia the right to – such as but not limited to – terminate, withdraw, suspend the conformity statement or to prohibit an actual form of use by **V-TAC EUROPE LTD**.

Plovdiv City, 05.05.2022

(place, date) (company stamp and/or legally-binding signature)

CERTIFICATE

TÜV NORD CERT GmbH

herewith declares that

Zhejiang Austa Green Energy Technology Co., Ltd.

Floor 1, Building 7, No.136, Haichuan Road, Jiangbei Area

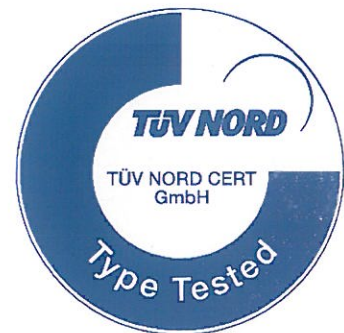
Ningbo City, Zhejiang Province, 315100

P.R.China

is authorized to provide the product mentioned below with the mark as illustrated:

Description of product (details see Annex 2):

PV Modules with Half-cut Mono-crystalline Silicon Solar Cells



Valid from: 2021-05-10

Valid until: 2026-04-13

Tested according to: IEC / EN 61215-1:2016;
IEC / 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.

Registered No.: 44 780 21 406749 - 074

Manufacturer: see Annex 1

Test Report No.: 492011674.001

File No.: PVP04095/21P

A handwritten signature in blue ink.

TÜV NORD CERT GmbH
Certification Body
Consumer Products



Essen, 2021-05-10

Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: 44 780 21 406749 - 074

Seite / Page 1 von / of 1

Aktenzeichen: / File reference: PVP04095/21P

2021-05-10

Manufacturer:

Manufacturer: **Ningbo Osda Solar Co., Ltd.**
1-1, No.136, Haichuan Road, Jiangbei Area
Ningbo City, Zhejiang Province, 315100, P.R.China

Factory inspection report no.: 862010428.002

Remark:

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

A handwritten signature in blue ink, appearing to read "Rogier K.", is positioned above the company name.

TÜV NORD CERT GmbH
Certification Body
Consumer Products

Description of product(s):

Module types:

PV Modules with Half-cut Mono-crystalline Silicon Solar Cells:

144 cells: AUxxx-36V-MH (xxx=525-545, in increment of 5)

144 cells: AUxxx-36V-MH (xxx=430-460, in increment of 5)

132 cells: AUxxx-33V-MH (xxx=480-500, in increment of 5)

132 cells: AUxxx-33V-MH (xxx=395-420, in increment of 5)

120 cells: AUxxx-30V-MH (xxx=440-455, in increment of 5)

120 cells: AUxxx-30V-MH (xxx=360-380, in increment of 5)

108 cells: AUxxx-27V-MH (xxx=395-405, in increment of 5)

Maximum system voltage:

1500V

Fuse rating:

20A

Electrical protection class:

Class II

Pollution degree:

1

Material group:

I

Design load (positive / negative):

1600Pa / 1600Pa or 3600Pa / 1600Pa, refer CDF for details

Safety factors:

1.5

Fire safety class:

Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 1 of test report.



TÜV NORD CERT GmbH
Certification Body
Consumer Products

**Certificate
of conformity with the following
European Directives**

Registered No.:
44 799 21 406749 - 046

Low-Voltage Directive 2014/35/EU

Date of application	File reference	Test report No.	Date of issue	Place of issue
2021-04-23	PVP04095/21P	492011674.001	2021-05-10	Essen

This is to certify that the following products comply to the essential requirements of the above mentioned European Directive and the following standards, taking into account the German national deviations:

Product: Crystalline Silicon Terrestrial Photovoltaic (PV) Modules

Type designation: See Annex 1

Applicant: **Zhejiang Austa Green Energy Technology Co., Ltd.**
Floor 1, Building 7, No.136, Haichuan Road, Jiangbei Area
Ningbo City, Zhejiang Province, 315100, P.R.China

Standard(s): EN IEC 61730-1:2018; EN IEC 61730-1:2018/AC:2018-06
EN IEC 61730-2:2018; EN IEC 61730-2:2018/AC:2018-06

This Certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT GmbH. The holder of this certificate may use this Certificate together with his EC-Declaration of Conformity.



Certification Body
Specialist Manager Consumer Products

TÜV NORD CERT GmbH
Langemarckstrasse 20
D-45141 Essen
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D-45032 Essen
Fon: +49 (0)201 825-5120
Fax: +49 (0)201 825-3209
Email: prodcert@tuev-nord.de

Description of product(s):

Module types:

PV Modules with Half-cut Mono-crystalline Silicon Solar Cells:

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