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TESTING
CNAS L11038

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CERTIFICATE OF CONFORMITY

Electromagnetic Compatibility Directive 2014/30/EU

Certificate No.: SZNTC2406144EV00

Applicant : Ningbo AUX Solar Technology Co., Ltd.
Address : No. 17 Fenglin Road, Cicheng Town, Jiangbei District, Ningbo City, Zhejiang Province, China

Manufacturer : Ningbo AUX Solar Technology Co., Ltd.
Address : No. 17 Fenglin Road, Cicheng Town, Jiangbei District, Ningbo City, Zhejiang Province, China

Factory : Ningbo AUX Solar Technology Co., Ltd.
Address : No. 17 Fenglin Road, Cicheng Town, Jiangbei District, Ningbo City, Zhejiang Province, China

E.U.T. : Grid-connected PV Inverter

Model No. : ASN-10TL-G2, ASN-8TL-G2, ASN-6TL-G2, ASN-5TL-G2

Test Report No. : SZNTC2406144EV00

Standard : EN IEC 61000-6-1:2019
EN IEC 61000-6-2:2019
EN IEC 61000-6-3:2021
EN IEC 61000-6-4:2019
EN 62920:2017+A1:2021



The certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical report and documentation are at the applicant's disposal. This is to certify that the tested sample is in conformity with all provisions of Annex I of Council Directive 2014/30/EU, in its latest amended version, referred to EMC Directive. The certificate does not imply assessment of the production and does not permit the use of Lab's logo.

Remark: The CE Marking may be used only if all relevant and effective EC Directives are complied with.

Nore
Testing Center

CERTIFICATE

Ningbo AUX Solar Technology Co., Ltd.

No. 17 Fenglin Road, Cicheng Town, Jiangbei District,
Ningbo City, Zhejiang Province, China

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



Description of product(s) (details see Annex 2):

Three phase on grid solar inverter

It is certified by **TÜV NORD CERT GmbH** that the product(s) described above has(have) been assessed according to the certification program mentioned below and found in compliance with the requirements of below 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).

Certification program:	P33-VA-01 Rev. 02 / 04.20	
Certification fundamental(s):	IEC 62109-1:2010; IEC 62109-2:2011	
Registered no.:	44 780 24 406749 - 308	
Manufacturer and factory(-ies):	See Annex 1	
Report no.:	492013315.001	Valid from: 2024-08-01
File no.:	PVP04147/24B-02	Valid until: 2029-07-31



TÜV NORD CERT GmbH
Certification Body
Balance of System (BOS) for Photovoltaics



Essen, 2024-08-01

ANNEX

Annex 1, Page 1 of 1

to Certificate registration no. 44 780 24 406749 - 308

Manufacturer:

Ningbo AUX Solar Technology Co., Ltd.

No. 17 Fenglin Road, Cicheng Town, Jiangbei District,
Ningbo City, Zhejiang Province, China

Factory:

Ningbo AUX Solar Technology Co., Ltd.

No. 17 Fenglin Road, Cicheng Town, Jiangbei District,
Ningbo City, Zhejiang Province, China
Factory inspection report no.: 862010890.001

Remark:

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

A blue ink signature, likely of a representative from TÜV NORD CERT.

TÜV NORD CERT GmbH
Certification Body
Balance of System (BOS) for Photovoltaics

TÜV NORD CERT GmbH

Am TÜV 1, D-45307 Essen

Essen, 2024-08-01

www.tuev-nord-cert.de

prodcert@tuev-nord.de

ANNEX

Annex 2, Page 1 of 1

to Certificate registration no. 44 780 24 406749 - 308

Description of product(s):

Model or Type designation	ASN-10TL-G2	ASN-8TL-G2	ASN-6TL-G2	ASN-5TL-G2
PV input parameters				
V _{MAX} PV [Vd.c.]	1100			
MPP Voltage Range [Vd.c.]	140-1000			
Max. PV Input Current [Ad.c.]	20/20			
DC Short-circuit current [Ad.c.]	25/25			
AC output (Grid Side) parameters				
Rated Output Voltage [Va.c.]	230/400, 3/N/PE			
Rated Output Frequency [Hz]	50/ 60			
Max. Output Current [Aa.c.]	15.9	12.7	9.5	7.9
Rated Output Power [kW]	10.0	8.0	6.0	5.0
Max. Apparent Power [kVA]	11.0	8.8	6.6	5.5
Power Factor cosφ [λ]	>0.99 (0.8 leading – 0.8 lagging)			
System				
Protective class	Class I			
Inverter topology	Transformerless			
Operation temperature range	-30~60°C			
Ingress protection	IP66			
Overvoltage-category	III AC(Main), II DC(PV)			
Software Version	D2001			

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 3 of test report.



TÜV NORD CERT GmbH
 Certification Body
 Balance of System (BOS) for Photovoltaics

Essen, 2024-08-01

Certificate of Conformity

Certificate Number: CN-PVES-250037

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture(s). The manufacturer(s) shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

Applicant:	Ningbo AUX Solar Technology Co., Ltd. No. 17 Fenglin Road, Cicheng Town, Jiangbei District, Ningbo City, Zhejiang Province, China
Product:	Three phase on grid solar inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	ASN-5TL-G2, ASN-6TL-G2, ASN-8TL-G2, ASN-10TL-G2
Brand Name<s>:	AUXSOL
Product Complies with:	IEC 61727:2004 Photovoltaic (PV) systems – Characteristics of the utility interface IEC 62116:2014 Test procedure of islanding prevention measures for utility-interconnected photovoltaic inverters
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2 nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012
Test Report No.<s>:	250114005GZU -007, 16 Jan 2025 250114005GZU -008, 16 Jan 2025

Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 21 January 2025



PRD N° 306B

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-250037

MODEL	ASN-5TL-G2	ASN-6TL-G2
Input (DC)		
Max. input voltage	1100V	
Rated input voltage	620V	
MPPT operating voltage range	140V-1000V	
Max. input MPPT current	20A/20A	
Max. input short circuit current per MPPT	25A/25A	
Output (AC)		
Rated power	5kW	6kW
Max. AC apparent power	5.5kVA	6.6kVA
Rated output current	7.2A	8.7A
Max output current	7.9A	9.5A
Nominal grid voltage	3/N/PE, 220/380Vac, 230/400Vac	
Nominal frequency	50Hz/60Hz	
Power factor	1 default (0.8 Leading...0.8 Lagging)	
Ambient temperature range	-30...+60°C	
Degree of protection	IP66	
Protective Class	Class I	
Software Version	DSP: D1214; ARM: A3054	

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-250037

MODEL	ASN-8TL-G2	ASN-10TL-G2
Input (DC)		
Max. input voltage	1100V	
Rated input voltage	620V	
MPPT operating voltage range	140V-1000V	
Max. input MPPT current	20A/20A	
Max. input short circuit current per MPPT	25A/25A	
Output (AC)		
Rated power	8kW	10kW
Max. AC power	8.8kVA	11kVA
Rated output current	11.5A	14.4A
Max output current	12.7A	15.9A
Nominal grid voltage	3/N/PE, 220/380Vac, 230/400Vac	
Nominal frequency	50Hz/60Hz	
Power factor	1 default (0.8 Leading...0.8 Lagging)	
Ambient temperature range	-30...+60°C	
Degree of protection	IP66	
Protective Class	Class I	
Software Version	DSP: D1214; ARM: A3054	

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Nanshan Shenzhen, Guangdong, 518057, China
TEL: +86-755-33525266 Web: www.ntc-c.com



CERTIFICATE OF CONFORMITY

Electromagnetic Compatibility Directive 2014/30/EU

Certificate No.: SZNTC2403243EV00

Applicant : Ningbo AUX Solar Technology Co., Ltd.
Address : No. 17 Fenglin Road, Cicheng Town, Jiangbei District, Ningbo City,
Zhejiang Province, China

Manufacturer : Ningbo AUX Solar Technology Co., Ltd.
Address : No. 17 Fenglin Road, Cicheng Town, Jiangbei District, Ningbo City,
Zhejiang Province, China

Factory : Ningbo AUX Solar Technology Co., Ltd.
Address : No. 17 Fenglin Road, Cicheng Town, Jiangbei District, Ningbo City,
Zhejiang Province, China

E.U.T. : Grid-connected PV Inverter

Model No. : ASN-10TL-G2, ASN-8TL-G2, ASN-6TL-G2, ASN-5TL-G2

Test Report No. : SZNTC2403243EV00

Standard : EN IEC 61000-6-1: 2019
EN IEC 61000-6-2: 2019
EN IEC 61000-6-3: 2021
EN IEC 61000-6-4: 2019
EN 61000-3-12: 2011
EN IEC 61000-3-11: 2019



Han Song
April 22, 2024

The certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical report and documentation are at the applicant's disposal. This is to certify that the tested sample is in conformity with all provisions of Annex I of Council Directive 2014/30/EU, in its latest amended version, referred to EMC Directive. The certificate does not imply assessment of the production and does not permit the use of Lab's logo.

Remark: The CE Marking may be used only if all relevant and effective EC Directives are complied with.

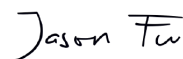
Test Verification of Conformity

Verification Number: 250114005GZU-VOC002

On the basis of the tests undertaken, the sample<s> of the below product has been tested by an accredited 3rd party laboratory in accordance to the referenced specification<s>/standard<s> at the time the tests were carried out. This verification is part of the full test report<s> and should be read in conjunction with it <them>.

This document can be used in support of a claim in meeting relevant EU legislation and mandatory Conformity Marking. And in accordance with EU / UK law, the claim is the sole obligation of the Manufacturer/ Importer.

Applicant Name & Address:	Ningbo AUX Solar Technology Co., Ltd. No. 17 Fenglin Road, Cicheng Town, Jiangbei District, Ningbo City, Zhejiang Province, China
Product Description:	Three phase on grid solar inverter
Ratings & Principle Characteristics:	See appendix of Test Verification of Conformity
Models/Type References:	ASN-5TL-G2, ASN-6TL-G2, ASN-8TL-G2, ASN-10TL-G2
Brand Names:	AUXSOL
Specification<s>/Standards:	IEC/EN 62109-1: 2010 Safety of power converters for use in photovoltaic power systems – Part 1: General requirements IEC/EN 62109-2: 2011 Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters Low Voltage Directive 2014/35/EU
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Room101/301/401/102/202/302/402/502/602/702/802, No. 7-2, Caipin Road, Huangpu District, Guangzhou, Guangdong, China
Date of Tests:	14 Jan 2025 - 15 Jan 2025
Test Report Number(s):	250114005GZU-005, 250114005GZU-006
Additional information in Appendix.	



Signature

Name: Jason Fu

Position: Supervisor

Date: 20 January 2025

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 250114005GZU-VOC002

Ratings & Principle
Characteristics:

MODEL	ASN-5TL-G2	ASN-6TL-G2
Input (DC)		
Max. input voltage	1100V	
Rated input voltage	620V	
MPPT operating voltage range	140V-1000V	
Max. input MPPT current	20A/20A	
Max. input short circuit current per MPPT	25A/25A	
Output (AC)		
Rated power	5kW	6kW
Max. AC apparent power	5.5kVA	6.6kVA
Rated output current	7.2A	8.7A
Max output current	7.9A	9.5A
Nominal grid voltage	3/N/PE, 220/380Vac, 230/400Vac	
Nominal frequency	50Hz/60Hz	
Power factor	1 default (0.8 Leading...0.8 Lagging)	
Ambient temperature range	-30...+60°C	
Degree of protection	IP66	
Protective Class	Class I	
Software Version	DSP: D1214; ARM: A3054	

Jason Fu

Signature

Name: Jason Fu

Position: Supervisor

Date: 20 January 2025

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 250114005GZU-VOC002

Ratings & Principle
Characteristics:

MODEL	ASN-8TL-G2	ASN-10TL-G2
Input (DC)		
Max. input voltage	1100V	
Rated input voltage	620V	
MPPT operating voltage range	140V-1000V	
Max. input MPPT current	20A/20A	
Max. input short circuit current per MPPT	25A/25A	
Output (AC)		
Rated power	8kW	10kW
Max. AC power	8.8kVA	11kVA
Rated output current	11.5A	14.4A
Max output current	12.7A	15.9A
Nominal grid voltage	3/N/PE, 220/380Vac, 230/400Vac	
Nominal frequency	50Hz/60Hz	
Power factor	1 default (0.8 Leading...0.8 Lagging)	
Ambient temperature range	-30...+60°C	
Degree of protection	IP66	
Protective Class	Class I	
Software Version	DSP: D1214; ARM: A3054	

Jason Fu

Signature

Name: Jason Fu

Position: Supervisor

Date: 20 January 2025

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CERTIFICATE OF CONFORMITY

Issued to: Ningbo AUX Solar Technology Co., Ltd.
No. 17 Fenglin Road, Cicheng Town, Jiangbei District, Ningbo City, Zhejiang
Province, China

For the product: Three phase on grid solar inverter

Trade name: **AUXSOL**

Type/Model: ASN-10TL-G2

Ratings: See Annex

Manufactured by: Ningbo AUX Solar Technology Co., Ltd.
No. 17 Fenglin Road, Cicheng Town, Jiangbei District, Ningbo City, Zhejiang
Province, China

Requirements: IEC 61683:1999

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6216407.50.

The examination has been carried out on one single specimen of the product. The certificate does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

This Test Certificate expires at the latest on 2030-01-22 or expires upon withdrawal of one of the above mentioned standards.

Shanghai, 22 January 2025

Certificate Number: 6216407.01COC

DEKRA Testing and Certification (Shanghai) Ltd.

Kreny Lin
Certification Manager



© Integral publication of this certificate and adjoining reports is allowed

PCA-141

DEKRA Testing and Certification (Shanghai) Ltd.

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ESA-CER-F021 v4.1

Annex to 6216407.01COC**Ratings of the test product:**

Operating temperature range: - 30°C to + 60°C

Protective class: I

Ingress protection rating: IP66

OVC: DC II / AC III

Power factor range (adjustable): 1 (0.8 leading...0.8 lagging)

ASN-10TL-G2

PV Input: Max Power 15 kW, Max 1100 Vdc, MPPT voltage range: 140-1000 Vdc, Max 20 A/20 A, Max short circuit current: 25 A/25 A,

AC Output: 230 Vac, 3/N/PE, 50 / 60 Hz, nominal current: 14.4 A, Max 15.9 A, Max 11 kVA, rated active power: 10 kW

--The end--