

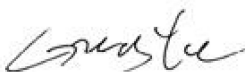
Certificate of Conformity

Certificate Number: CN-PVES-250111

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-90TL-PLUS, ASN-100TL-PLUS, ASN-110TL-PLUS
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>:	250217013GZU -003, 25 Feb 2025 250217013GZU -004, 25 Feb 2025

Additional information in Appendix.



Signature

Certification Manager: Grady Ye
Date: 05 March 2025



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-250111

Model	ASN-90TL-PLUS	ASN-100TL-PLUS	ASN-110TL-PLUS
PV Input			
Max. input voltage	1100V		
MPPT voltage range	180-1000V		
Max. input current	8 x 40A		
Max. short circuit current	8 x 50A		
Output AC (Grid side)			
Rated output power	90kW	100kW	110kW
Max. apparent output power	99kVA	110kVA	121kVA
Rated grid voltage	3/N/PE, 220/380Vac, 230/400Vac		
Rated grid frequency	50Hz/60Hz		
Max. output current	143A	158.8A	174.6A
Power factor	>0.99 default (0.8 leading...0.8 lagging)		
Ambient temperature range	-30...+60°C		
Degree of protection	IP66		
Protective Class	Class I		
Software Version	DSP: D2301; ARM: A2301		

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CNAS L11038

Shenzhen Nore Testing Center Co., Ltd.
South, No.1, Building 10, Maqueling Industrial Zone,
Nanshan Shenzhen, Guangdong, 518057, China
TEL: +86-755-33525266 Web: www.szntc-c.com



CERTIFICATE OF CONFORMITY

Electromagnetic Compatibility Directive 2014/30/EU

Certificate No.: SZNTC2502219EV00

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

Product Name : Grid-connected PV Inverter

Brand Name : **AUXSOL**

Model No. : ASN-110TL-PLUS, ASN-100TL-PLUS, ASN-99TL-PLUS,
ASN-90TL-PLUS, ASN-75TL-LV-PLUS, ASN-70TL-LV-PLUS,
ASN-60TL-LV-PLUS, ASN-50TL-LV-PLUS

Test Report No. : SZNTC2502219EV00

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



Han Song

April 27, 2025

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.

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-110TL-PLUS

Ratings:

Operating temperature range: - 30°C to + 60°C
Protective class: I
Ingress protection rating: IP66
OVC: DC II / AC III
Power factor range (adjustable): >0.99 (0.8 leading...0.8 lagging)
PV Input: Max.input power: 165 kW, Max.input voltage: 1100 Vdc
MPPT voltage range: 180-1000 Vdc, Max.input current: 8*40 A
Max short circuit current: 8*50 A
AC Output (Grid side): 220/380 V, 230/400 V, 3/N/PE, 50 / 60 Hz
Max. rated current 158.8 A, Max.output current 174.6 A
Max.apparent output power 121 kVA, Rated active power 110 kW

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. 6220789.50

The examination has been carried out on one single specimen of the product. The certificate does not include an assessment of the minilecture'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 2030-05-29 or expires upon withdrawal of one of the above mentioned standards.

Shanghai, 2025-05-29

Number: 6220789.01COC

DEKRA Testing and Certification (Shanghai) Ltd.


Kreny Lin
Certification Manager

© Integral publication of this certificate and adjoining reports is allowed

DEKRA Testing and Certification (Shanghai) Ltd.
No.250, Jiangchangsan Road, Jing'an District, Shanghai, 200436 People's Republic of China
T +86 21 6056 7600 F +86 21 6056 7555 www.dekra-product-safety.com
ESA-CER-F021 v4.1



PCA-141

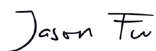
Test Verification of Conformity

Verification Number:240625043GZU-VOC001

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 & Principal Characteristics:	See APPENDIX: Test Verification of Conformity
Models/Type References:	ASN-90TL-PLUS, ASN-99TL-PLUS, ASN-100TL-PLUS, ASN-110TL-PLUS ASN-50TL-LV-PLUS, ASN-60TL-LV-PLUS, ASN-70TL-LV-PLUS ASN-75TL-LV-PLUS
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:	17 Mar 2025 – 30 April 2025
Test Report Number(s):	240625043GZU-001, 240625043GZU-002
Additional information in Appendix.	



Signature

Name: Jason Fu

Position: Supervisor

Date: 19 May 2025

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 240625043GZU-VOC001

Ratings & Principal Characteristics:

Model	ASN-90TL-PLUS	ASN-99TL-PLUS	ASN-100TL-PLUS	ASN-110TL-PLUS
PV Input				
Max. input voltage	1100V			
MPPT voltage range	180-1000V			
Max. input current	8 x 40A			
Max. short circuit current	8 x 50A			
Output AC (Grid side)				
Rated output power	90kW	99kW	100kW	110kW
Max. apparent output power	99kVA	99kVA	110kVA	121kVA
Rated grid voltage	3/N/PE, 220/380Vac, 230/400Vac			
Rated grid frequency	50/60Hz			
Max. output current	143A	143A	158.8A	174.6A
Power factor	>0.99 default (0.8 leading...0.8 lagging)			
Ambient temperature range	-30...+60°C			
Degree of protection	IP66			
Protective Class	Class I			
Software Version	DSP: D2301; ARM: A2301			

Jason Fu

Signature

Name: Jason Fu

Position: Supervisor

Date: 19 May 2025

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 240625043GZU-VOC001

Ratings & Principal Characteristics:

Model	ASN-50TL-LV-PLUS	ASN-60TL-LV-PLUS	ASN-70TL-LV-PLUS	ASN-75TL-LV-PLUS
PV Input				
Max. input voltage	800V			
MPPT voltage range	180-800V			
Max. input current	5 x 40A	8 x 40A		
Max. short circuit current	5 x 50A	8 x 50A		
Output AC (Grid side)				
Rated output power	50kW	60kW	70kW	75kW
Max. apparent output power	55kVA	66kVA	70kVA	75kVA
Rated grid voltage	3/N/PE, 127/220Vac			
Rated grid frequency	50/60Hz			
Max. output current	144.3A	173.2A	183.7A	196.8A
Power factor	>0.99 default (0.8 leading...0.8 lagging)			
Ambient temperature range	-30...+60℃			
Degree of protection	IP66			
Protective Class	Class I			
Software Version	DSP: D2301; ARM: A2301			

Jason Fu

Signature

Name: Jason Fu

Position: Supervisor

Date: 19 May 2025

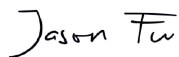
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Test Verification of Conformity

Verification Number: 250422041GZU-VOC001

On the basis of the tests undertaken, the sample<s> of the below product has been tested by an 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>.

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 & Principal Characteristics:	See APPENDIX: Test Verification of Conformity
Models/Type References:	ASN-90TL-HV-PLUS, ASN-100TL-HV-PLUS, ASN-110TL-HV-PLUS, ASN-50TL-LV-PLUS, ASN-60TL-LV-PLUS, ASN-70TL-LV-PLUS ASN-75TL-LV-PLUS
Brand Names:	AUXSOL
Specification<s>/Standards:	IEEE 1547: 2003, IEEE 1547a:2014 & IEEE 1547.1: 2005+ A1: 2015 IEEE Standard for Interconnecting Distributed Resources with Electric Power Systems
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:	22 April 2025 to 03 Jun 2025
Test Report Number(s):	250422041GZU-001
Additional information in Appendix.	



Signature

Name: Jason Fu

Position: Supervisor

Date: 20 June 2025

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number:250422041GZU-VOC001

Ratings & Principal
Characteristics:

MODEL	ASN-90TL- HV-PLUS	ASN-100TL- HV-PLUS	ASN-110TL- HV-PLUS
Input (DC)			
Max. input voltage	1100V		
Rated input voltage	620V		
MPPT operating voltage range	180V-1000V		
Max. input MPPT current	40A*8		
Max. input short circuit current per MPPT	50A*8		
Output (AC)			
Rated power	90kW	100kW	110kW
Max. AC apparent power	99kVA	110kVA	121kVA
Rated output current	108.3A	120.3A	132.3A
Max output current	119.1A	132.3A	145.5A
Nominal grid voltage	3/N/PE, 277V/480Vac		
Nominal frequency	60Hz		
Power factor	>0.99 (0.8 Leading...0.8 Lagging)		
Ambient temperature range	-30...+60°C		
Degree of protection	IP66		
Software Version	DSP: D2301; ARM: A2301		

Jason Fu

Signature

Name: Jason Fu

Position: Supervisor

Date: 20 June 2025

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number:250422041GZU-VOC001

Ratings & Principal
Characteristics:

MODEL	ASN-50TL-LV-PLUS	ASN-60TL-LV-PLUS
Input (DC)		
Max. input voltage	800V	
Rated input voltage	420V	
MPPT operating voltage range	180V-800V	
Max. input MPPT current	40A*5	40A*8
Max. input short circuit current per MPPT	50A*5	50A*8
Output (AC)		
Rated power	50kW	60kW
Max. AC power	55kVA	66kVA
Rated output current	131.2A	157.5A
Max output current	144.3A	173.3A
Nominal grid voltage	3/N/PE,127V/220Vac	
Nominal frequency	60Hz	
Power factor	>0.99 (0.8 Leading...0.8 Lagging)	
Ambient temperature range	-30...+60°C	
Degree of protection	IP66	
Software Version	DSP: D2301; ARM: A2301	

Jason Fu

Signature

Name: Jason Fu

Position: Supervisor

Date: 20 June 2025

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number:250422041GZU-VOC001

Ratings & Principal
Characteristics:

MODEL	ASN-70TL-LV-PLUS	ASN-75TL-LV-PLUS
Input (DC)		
Max. input voltage	800V	
Rated input voltage	420V	
MPPT operating voltage range	180V-800V	
Max. input MPPT current	40A*8	
Max. input short circuit current per MPPT	50A*8	
Output (AC)		
Rated power	70kW	75kW
Max. AC apparent power	70kVA	75kVA
Rated output current	183.7A	196.8A
Max output current	183.7A	196.8A
Nominal grid voltage	3/N/PE,127V/220Vac	
Nominal frequency	60Hz	
Power factor	>0.99(0.8 Leading...0.8 Lagging)	
Ambient temperature range	-30...+60℃	
Degree of protection	IP66	
Software Version	DSP: D2301; ARM: A2301	

Jason Fu

Signature

Name: Jason Fu

Position: Supervisor

Date: 20 June 2025

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