TL-395

Relatório de ensaio emitido sob a responsabilidade do: Test Report issued under the responsibility of:

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RELATÓRIO DE TESTE
TEST REPORT
PORTARIA Nº 140, DE 21 DE MARÇO DE 2022
Aprova o Regulamento Técnico da Qualidade e os Requisitos de Avaliação da Conformidade para Equipamentos de Geração, Condicionamento e Armazenamento de Energia Elétrica em Sistemas Fotovoltaicos - Consolidado.

Referência relatórion:,,,,,,,,,,,,,,,,, Report Reference No.	251105125GZU-001	
Testado por (nome + assinatura):,,,, Tested by (name + signature)	Zeyu Yang Engineer	Zeyu Yang ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Aprovado por (nome + assinatura) Approved by (name + signature)	Jason Fu Supervisor	Jason Fu ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Data de emissão:,,,,,,,,,,,,,,,,,,,,,,,,,,,, Date of issue	2025-12-10	
Laboratório de Ensaios:,,,,,,,,,,,,,,,,,,, Testing Laboratory	Intertek Testing Services Shenzhen Ltd, Guangzhou Branch	
Endereço: ,, Address	Room101/301/401/102/202/302/402/502/602/702/802, No. 7-2, Caipin Road, Huangpu District, Guangzhou, Guangdong, China	
Local do ensaio / endereço: ,,,,,,,,,,, Testing location/ address	como acima As above	
N Nome do Requerente: ,,,,,,,,,,,,,,,, Applicant’s name	Ningbo AUX Solar Technology Co., Ltd.	
Endereço: ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, AAddress	1-2&2-7 of Building A, 1-1 on 1F of Building 10, 1-1 on 1F of Building 13; 1-1 on 1F & 2-1on 2F & 3-3 on 3F & 4-4 on 4F of Building 16, No.518 Xinmei Road, Ningbo National Hi-Tech Industrial Development Zone, Zhejiang, China	
Especificações de ensaio: Test specification: Padrão: ,,, Standard	PORTARIA Nº 140, DE 21 DE MARÇO DE 2022 (Retificação publicada no DOU de 30 de agosto de 2022) PORTARIA Nº 515, DE 10 DE NOVEMBRO DE 2023	
Test Report Form Não,,,,,,,,,,,,,,,,,,,, Test Report Form No:	ANEXO I RTQ-A	
Test Report Form (s) Originator: ,,,,, Test Report Form(s) Originator	Intertek Guangzhou	
Mestre TRF: ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, Master TRF	2023-03	

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RELATÓRIO DE TESTE
TEST REPORT
PORTARIA Nº 140, DE 21 DE MARÇO DE 2022
Aprova o Regulamento Técnico da Qualidade e os Requisitos de Avaliação da Conformidade para Equipamentos de Geração, Condicionamento e Armazenamento de Energia Elétrica em Sistemas Fotovoltaicos - Consolidado.

Referência relatórion:,,,,,,,,,,,,,,,,, Report Reference No.	251105125GZU-003	
Testado por (nome + assinatura):,,,, Tested by (name + signature)	Zeyu Yang Engineer	Zeyu Yang ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Aprovado por (nome + assinatura) Approved by (name + signature)	Jason Fu Supervisor	Jason Fu ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Data de emissão:,,,,,,,,,,,,,,,,,,,,,,,,,,,,, Date of issue	2025-12-15	
Laboratório de Ensaios:,,,,,,,,,,,,,,,,,,, Testing Laboratory	Intertek Testing Services Shenzhen Ltd, Guangzhou Branch	
Endereço: ,,, Address	Room101/301/401/102/202/302/402/502/602/702/802, No. 7-2, Caipin Road, Huangpu District, Guangzhou, Guangdong, China	
Local do ensaio / endereço: ,,,,,,,,,,,, Testing location/ address	como acima As above	
N Nome do Requerente: ,,,,,,,,,,,,,,,,, Applicant's name	Nansen Instrumentos de Precisão LTDA.	
Endereço: ,,, AAddress	Av. Antonio Chagas Diniz, Nº 1500 - Cidade Industrial – Contagem/MG CEP: 32210-160 - Brasil	
Especificações de ensaio: Test specification: Padrão: ,,, Standard	PORTARIA Nº 140, DE 21 DE MARÇO DE 2022 (Retificação publicada no DOU de 30 de agosto de 2022) PORTARIA Nº 515, DE 10 DE NOVEMBRO DE 2023	
Test Report Form Não,,,,,,,,,,,,,,,,,,,, Test Report Form No:	ANEXO I RTQ-A	
Test Report Form (s) Originator: ,,,,, Test Report Form(s) Originator	Intertek Guangzhou	
Mestre TRF: ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, Master TRF	2023-03	

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Test Report issued under the responsibility of:

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TEST REPORT
IEC 63027
Photovoltaic power systems – DC arc detection and interruption

Report Number. ..... :	251105125GZU-002
Date of issue ..... :	10 Dec 2025
Total number of pages ..... :	55 pages
Name of Testing Laboratory preparing the Report ..... :	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
Applicant's name ..... :	Ningbo AUX Solar Technology Co., Ltd.
Address ..... :	1-2&2-7 of Building A, 1-1 on 1F of Building 10, 1-1 on 1F of Building 13; 1-1 on 1F & 2-1on 2F & 3-3 on 3F & 4-4 on 4F of Building 16, No.518 Xinmei Road, Ningbo National Hi-Tech Industrial Development Zone, Zhejiang, China
Test specification:	
Standard ..... :	IEC 63027:2023
Test procedure ..... :	Partial test
Non-standard test method ..... :	N/A
Test Report Form No. ..... :	IEC63027a
Test Report Form(s) Originator .... :	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch
Master TRF ..... :	Dated 2024-07

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Test Verification of Conformity

Verification Number: 251028087GZU-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 law, the claim is the sole obligation of the Manufacturer/ Importer.

Applicant Name & Address:	Ningbo AUX Solar Technology Co., Ltd. 1-2&2-7 of Building A, 1-1 on 1F of Building 10, 1-1 on 1F of Building 13; 1-1 on 1F & 2-1on 2F & 3-3 on 3F & 4-4 on 4F of Building 16, No.518 Xinmei Road, Ningbo National Hi-Tech Industrial Development Zone, Zhejiang, China
Product Description:	Single phase on grid solar inverter
Ratings & Principle Characteristics:	See Appendix: Test Verification of Conformity
Models/Type References:	ASN-7SL-G2, ASN-7.5SL-G2, ASN-8SL-G2 ASN-7SL-G2-PRO, ASN-7.5SL-G2-PRO, ASN-8SL-G2-PRO
Brand Name:	AUXSOL
Relevant Standards/Directives:	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:	21 Nov 2025 – 28 Feb 2026
Test Report Number(s):	251028087GZU-001, 251028087GZU-002

Additional information in Appendix.

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 09 March 2026

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 251028087GZU-VOC001.

Ratings & Principle Characteristics:

MODEL	ASN-7SL-G2	ASN-7.5SL-G2	ASN-8SL-G2
Input (DC)			
Max. input voltage	550V		
Rated input voltage	360V		
MPPT operating voltage range	40V-520V		
Max. input MPPT current	18A/18A		
Max. input short circuit current per MPPT	23A/23A		
Output (AC)			
Rated power	7kW	7.5kW	8kW
Max. AC apparent power	7kVA	7.5kVA	8kVA
Rated output current	31.8A	34.1A	36.4A
Max output current	31.8A	34.1A	36.4A
Nominal grid voltage	1/N/PE, 220V/230V		
Nominal frequency	50/60Hz		
Power factor	1 default (0.8 Leading...0.8 Lagging)		
Ambient temperature range	-30...+60℃		
Degree of protection	IP66		
Protective Class	I		
Software Version	DSP: B2208; ARM: A3811		

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 09 March 2026

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 251028087GZU-VOC001.

Ratings & Principle Characteristics:

MODEL	ASN-7SL-G2-PRO	ASN-7.5SL-G2-PRO	ASN-8SL-G2-PRO
Input (DC)			
Max. input voltage	550V		
Rated input voltage	360V		
MPPT operating voltage range	40V-520V		
Max. input MPPT current	32A/18A		
Max. input short circuit current per MPPT	40A/23A		
Output (AC)			
Rated power	7kW	7.5kW	8kW
Max. AC apparent power	7kVA	7.5kVA	8kVA
Rated output current	31.8A	34.1A	36.4A
Max output current	31.8A	34.1A	36.4A
Nominal grid voltage	1/N/PE, 220V/230V		
Nominal frequency	50/60Hz		
Power factor	1 default (0.8 Leading…0.8 Lagging)		
Ambient temperature range	-30…+60℃		
Degree of protection	IP66		
Protective Class	I		
Software Version	DSP: B2208; ARM: A3811		

Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 09 March 2026

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Test Report issued under the responsibility of:

TEST REPORT
IEC 62109-1
Safety of Power Converter for use in Photovoltaic Power Systems
Part 1: General requirements

Report Number. ..... :	251028087GZU-001
Date of issue ..... :	04 Feb 2026
Total number of pages ..... :	74 pages
Name of Testing Laboratory preparing the Report ..... :	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
Applicant's name ..... :	Ningbo AUX Solar Technology Co., Ltd.
Address ..... :	1-2&2-7 of Building A, 1-1 on 1F of Building 10, 1-1 on 1F of Building 13; 1-1 on 1F & 2-1on 2F & 3-3 on 3F & 4-4 on 4F of Building 16, No.518 Xinmei Road, Ningbo National Hi-Tech Industrial Development Zone, Zhejiang, China
Test specification:	
Standard ..... :	IEC/EN 62109-1:2010 (First Edition)
Test procedure ..... :	LVD
Non-standard test method ..... :	N/A
Test Report Form No. ..... :	IEC62109_1B
Test Report Form(s) Originator .... :	VDE Testing and Certification Institute
Master TRF ..... :	Dated 2016-04

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Test Report issued under the responsibility of:

TEST REPORT
IEC 62109-2
Safety of Power Converter for use in Photovoltaic Power Systems Part 2: Particular requirements for inverters

Report Number. .....:	251028087GZU-002
Date of issue .....:	04 Feb 2026
Total number of pages.....	28 pages
Name of Testing Laboratory preparing the Report.....:	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
Applicant's name.....:	Ningbo AUX Solar Technology Co., Ltd.
Address .....:	1-2&2-7 of Building A, 1-1 on 1F of Building 10, 1-1 on 1F of Building 13; 1-1 on 1F & 2-1on 2F & 3-3 on 3F & 4-4 on 4F of Building 16, No.518 Xinmei Road, Ningbo National Hi-Tech Industrial Development Zone, Zhejiang, China
Test specification:	
Standard.....:	IEC/EN 62109-2:2011
Test procedure .....:	LVD
Non-standard test method.....:	N/A
Test Report Form No.....:	IEC62109_2B
Test Report Form(s) Originator ....:	LCIE - Laboratoire Central des Industries Electriques
Master TRF.....:	Dated 2016-11

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