

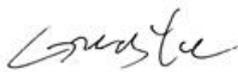
Certificate of Conformity

Certificate Number: CN-PVES-240342

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

Applicant Name & Address:	ELGIN DISTRIBUIDORA LTDA Rod BR 101, KM 1224, N.9245, CIDADE NOVA ITAJAÍ - SC - BRAZIL
Product Description:	Three phase on grid solar inverter
Ratings & Principle Characteristics:	See Annex to Certificate of Conformity
Models/Type References:	ELGIN-110K-TLG1
Brand Name:	
Specification/Standard:	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, 2nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China
Test Report Number:	Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012 240522076GZU-012, 13 Jul 2024 240522076GZU-013, 13 Jul 2024

Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 18 July 2024



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-240342

MODEL	ELGIN-110K-TLG1
Input (DC)	
Max. input voltage	1100V
Rated input voltage	620V
MPPT operating voltage range	180-1000V
Max. input MPPT current	10x32A
Max. input short circuit current per MPPT	10x50A
Output (AC)	
Rated power	110kW
Max. AC power	121kVA
Rated output current	158.8A
Max output current	174.6A
Nominal grid voltage	220V/380V, 230V/400V, 3/N/PE
Nominal frequency	50Hz/60Hz
Power factor	>0.99 default (0.8 leading ... 0.8 lagging)
Ambient temperature range	-30...+60°C
Degree of protection	IP66
Software Version	DSP: D2301; ARM: A2301

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Test Verification of Conformity

Verification Number: 240522076GZU-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 verification replaces previous verification number 230417107GZU-VOC001, dated: 10 May 2023

This document can be used in support of a claim in meeting relevant EU/UK 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:	ELGIN DISTRIBUIDORA LTDA Rod BR 101, KM 1224, N.9245, CIDADE NOVA ITAJAÍ - SC - BRAZIL
Product Description:	Three phase on grid solar inverter
Ratings & Principle Characteristics:	See Appendix: Test Verification of Conformity
Models/Type References:	ELGIN-110K-TLG1
Brand Names:	
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 Room 02, & 101/E201/E301/E401/E501/E601/E701/E801 of Room 01 1-8/F., No. 7-2. Caipin Road, Science City, GETDD, Guangzhou, Guangdong, China
Date of Tests:	22 May 2024 – 12 Jul 2024
Test Report Number(s):	240522076GZU-010, 13 Jul 2024 240522076GZU-011, 13 Jul 2024
Additional information in Appendix.	



Signature

Name: Jason Fu
Position: Supervisor
Date: 17 July 2024

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 240522076GZU-VOC002

Manufacture Name & Address:

MODEL	ELGIN-110K-TLG1
Input (DC)	
Max. input voltage	1100V
Rated input voltage	620V
MPPT operating voltage range	180-1000V
Max. input MPPT current	10x32A
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Max. AC power	121kVA
Rated output current	158.8A
Max output current	174.6A
Nominal grid voltage	220V/380V, 230V/400V, 3/N/PE
Nominal frequency	50Hz/60Hz
Power factor	>0.99 default (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: 17 July 2024

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Jason Fu

Signature

Name: Jason Fu
Position: Supervisor
Date: 17 July 2024

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Max output current	174.6A
Nominal grid voltage	220V/380V, 230V/400V, 3/N/PE
Nominal frequency	50Hz/60Hz
Power factor	>0.99 default (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: 17 July 2024

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Product Description:	Three phase on grid solar inverter
Ratings & Principle Characteristics:	See Annex to Certificate of Conformity
Models/Type References:	ELGIN-110K-TLG1
Brand Name:	
Specification/Standard:	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
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Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 18 July 2024



PRD N° 306B

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Max. AC power	121kVA
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Max output current	174.6A
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Nominal frequency	50Hz/60Hz
Power factor	>0.99 default (0.8 leading ... 0.8 lagging)
Ambient temperature range	-30...+60°C
Degree of protection	IP66
Software Version	DSP: D2301; ARM: A2301

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