Test Verification of Conformity

Verification Number: 240724120GZU-VOC001R1

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 240724120GZU-VOC001 dated: 12-02-2024

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:	Huizhou Epever Technology Co., Ltd. No. 6 Laowu Road, Start-up Area of China-Korea (Huizhou) Industrial Park, Zhongkai District, Huizhou City, Guangdong Province, China
Product Description:	Residential Hybrid Inverter
Ratings & Principal Characteristics:	See Appendix: Test Verification of Conformity
Models/Type References:	ELS3K, ELS3K6, ELS4K, ELS4K6, ELS5K, ELS6K ERS3042, ERS3642, ERS4042, ERS4642, ERS5042, ERS6042.
Brand Names:	EPEVER
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 IEC 62477-1:2022, EN IEC 62477-1:2023 Safety requirements for power electronic converter systems and equipment Part 1: General 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 Jun 2026 to 18 Jun 2026
Test Report Number(s):	240724120GZU-001, 2 December 2024, Revision1: 30 Jun. 2026 240724120GZU-002, 2 December 2024, Revision1: 30 Jun. 2026 240724120GZU-003, 2 December 2024, Revision1: 30 Jun. 2026

Additional information in Appendix.

Signature

Name: Elly Han
Position: Project Manager
Date: 30 Jun 2026

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 240724120GZU-VOC001R1

Model	ELS3K, ERS3042	ELS3K6, ERS3642	ELS4K, ERS4042
PV input			
Max. PV input Voltage	580Vd.c.		
MPP Voltage Range	100~550Vd.c.		
Max. PV Input Current	16Ad.c.		16Ad.c.*2
PV Isc	19.2Ad.c.		19.2Ad.c.*2
Number of MPPT	1		2
Battery			
Battery Type	Lithium-ion/Lead-acid		
Battery Voltage Range	42-63 Vd.c.		
Rated Battery Voltage	48 Vd.c.		
Max.Charging&Discharging Current	75 Ad.c.	80Ad.c.	85Ad.c.
Max.Charging&Discharging Power	3 kW	3.6kW	4kW
Grid-connected output/input			
Rated Grid Voltage	230Va.c.		
Rated Grid Frequency	50/60Hz		
Rated Output apparent power	3000VA	3680VA	4000VA
Max. Output&Input Current	13Aa.c./ 28.6Aa.c.	16Aa.c./35.2 Aa.c.	17.3Aa.c./38.2 Aa.c.
Power factor	0.8 leading to 0.8 lagging		
Off-Grid Output			
Rated off-Grid Voltage	230Va.c.		
Rated off-Grid Frequency	50/60 Hz		
Rated Output Current	13Aa.c	16Aa.c	17.3Aa.c
Rated Output apparent power	3000VA	3680VA	4000VA
Power factor	1.0		
Others			
Ambient Temperature Range	-30°C ~ +60°C		
Overvoltage Category	DC II/ AC III		
Ingress protection rating	IP65		
Protect class	Class I		
Software version	V1.000		

Signature

Name: Elly Han
Position: Project Manager
Date: 30 Jun 2026

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 240724120GZU-VOC001R1

Model	ELS4K6, ERS4642	ELS5K, ERS5042	ELS6K, ERS6042
PV input			
Max. Input Voltage	580Vd.c.		
MPP Voltage Range	100~550Vd.c.		
Max. PV Input Current	16Ad.c.*2		
PV Isc	19.2Ad.c.*2		
Number of MPPT	2		
Battery			
Battery Type	Lithium-ion/Lead-acid		
Battery Voltage Range	42-63 Vd.c.		
Rated Battery Voltage	48 Vd.c.		
Max.Charging&Discharging Current	100Ad.c.	110Ad.c.	120Ad.c.
Max.Charging&Discharging Power	4.6kW	5kW	6kW
Grid-connected output/input			
Rated Output apparent power	4600VA	5000VA	6000VA
Rated Voltage	230Va.c.		
Max. Output&Input Current	20Aa.c./43 Aa.c.	21.7Aa.c./47.8 Aa.c.	26Aa.c./55 Aa.c.
Rated Grid Frequency	50/60Hz		
Power factor	0.8 leading to 0.8 lagging		
Off-Grid Output			
Rated Output Current	20Aa.c	21.7Aa.c	26Aa.c
Rated Output apparent power	4600VA	5000VA	6000VA
Rated voltage	230Va.c.		
Rated frequency	50/60 Hz		
Power factor	1.0		
Others			
Ambient Temperature Range	-30°C ~ +60°C		
Overvoltage Category	DC II/ AC III		
Ingress protection rating	IP65		
Protect class	Class I		
Software version	V1.000		

Signature

Name: Elly Han
Position: Project Manager
Date: 30 Jun 2026

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