Test Verification of Conformity

Verification Number: 240724139GZU-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:	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
Models/Type References:	ELS3K, ELS3K6, ELS4K, ELS4K6, ELS5K, ELS6K
Ratings & Principle Characteristics:	See Appendix
Brand Names:	EPEVER
Specification<s>/Standards:	EN IEC 61000-6-3:2021 EN IEC 61000-6-1:2019 EN 62920: 2017+A1:2021
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:	28 November 2024 to 07 December 2024
Test Report Number(s):	240724139GZU-001,002

Additional information in Appendix.

Sky Zhu

Signature

Name: Sky Zhu
Position: Supervisor
Date: 20 December 2024

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 240724139GZU-VOC001.

Ratings & Principle Characteristics:

Model	ELS3K	ELS3K6
PV Data		
Max. PV voltage	580Vd.c.	
PV voltage range	100-550Vd.c.	
Nominal input voltage	360Vd.c.	
PV Isc	19.2Ad.c.	
Max. input current	16Ad.c.	
Max. input power	4500W	5400W
Number of MPP trackers	1	
Battery Date		
Battery Type	Lithium-ion/Lead-acid	
Battery Voltage Range	42-63Vd.c.	
Nominal Battery Voltage	48Vd.c.	
Max. Charging&Discharging Current	75Ad.c.	80Ad.c.
Max. Charging&Discharging Power	3000W	3600W
AC output/input Data		
Nominal voltage	230Va.c.	
Nominal output Frequency	50/60Hz	
Max. output power	3000VA	3680VA
Max. output/input current	13/28.6Aa.c.	16/35.2Aa.c.
Power factor range	0.8 leading ~ 0.8 lagging	
Back up output Data		
Nominal output voltage	230Va.c.	
Nominal output Current	13Aa.c.	16Aa.c.
Nominal output Power	3000VA	3680VA
Nominal output Frequency	50/60Hz	
Power factor range	1.0	
Others		
Safety level	Class I	
Ingress Protection	IP65	
Operation ambient temperature	-30°C ~ +60°C	
Software version	V1.000	

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Model	ELS4K	ELS4K6
PV Data		
Max. PV voltage	580Vd.c.	
PV voltage range	100-550Vd.c.	
Nominal input voltage	360Vd.c.	
PV Isc	19.2*2Ad.c.	
Max. input current	16*2Ad.c.	
Max. input power	6000W	6900W
Number of MPP trackers	2	
Battery Date		
Battery Type	Lithium-ion/Lead-acid	
Battery Voltage Range	42-63Vd.c.	
Nominal Battery Voltage	48Vd.c.	
Max. Charging&Discharging Current	85Ad.c.	100Ad.c.
Max. Charging&Discharging Power	4000W	4600W
AC output/input Data		
Nominal output voltage	230Va.c.	
Nominal output Frequency	50/60Hz	
Max. output power	4000VA	4600VA
Max. output/input current	17.3/38.2Aa.c.	20/43Aa.c.
Power factor range	0.8 leading ~ 0.8 lagging	
Back up output Data		
Nominal output voltage	230Va.c.	
Nominal output Current	17.3Aa.c.	20Aa.c.
Nominal output Power	4000VA	4600VA
Nominal output Frequency	50/60Hz	
Power factor range	1.0	
Others		
Safety level	Class I	
Ingress Protection	IP65	
Operation ambient temperature	-30°C ~ +60°C	
Software version	V1.000	

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Model	ELS5K	ELS6K
PV Data		
Max. PV voltage	580Vd.c.	
PV voltage range	100-550Vd.c.	
Nominal input voltage	360Vd.c.	
PV Isc	19.2*2Ad.c.	
Max. input current	16*2Ad.c.	
Max. input power	7500W	9000W
Number of MPP trackers	2	
Battery Date		
Battery Type	Lithium-ion/Lead-acid	
Battery Voltage Range	42-63Vd.c.	
Nominal Battery Voltage	48Vd.c.	
Max. Charging&Discharging Current	110Ad.c.	120Ad.c.
Max. Charging&Discharging Power	5000W	6000W
AC output/input Data		
Nominal output voltage	230Va.c.	
Nominal output Frequency	50/60Hz	
Max. output power	5000VA	6000VA
Max. output/input current	21.7/47.8Aa.c.	26/55Aa.c.
Power factor range	0.8 leading ~ 0.8 lagging	
Back up output Data		
Nominal output voltage	230Va.c.	
Nominal output Current	21.7Aa.c.	26Aa.c.
Nominal output Power	5000VA	6000VA
Nominal output Frequency	50/60Hz	
Power factor range	1.0	
Others		
Safety level	Class I	
Ingress Protection	IP65	
Operation ambient temperature	-30°C ~ +60°C	
Software version	V1.000	

Sky Zhu

Signature

Name: Sky Zhu
Position: Supervisor
Date: 20 December 2024

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