Certificate of Conformity

Certificate Number: CN-PVES-250118

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:	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:	Hybrid Inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	See appendix of Certificate of Conformity
Brand Name<s>:	EPEVER
Product Complies with:	CEI 0-21: 2022-03 + V1:2022-11 + V2:2024-01: Reference technical rules for the connection of active and passive users to the LV electrical Utilities
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 Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012
Test Report No.<s>:	240724138GZU-001, dated 03 March 2025 Issued by Intertek Testing Services Shenzhen Ltd. Guangzhou Branch accredited by IAS (TL-395) in accordance with ISO/IEC 17025:2017

Additional information in Appendix.

Signature

Certification Manager: Grady Ye
Date: 18 March 2025

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-250118

Test item description ..... :	Hybrid Inverter
Trade Mark ..... :	EPEVER
Manufacturer ..... :	Same as applicant
Model/Type reference ..... :	Inverter conversion device: ELS3K,ELS3K6,ELS4K,ELS4K6,ELS5K,ELS6K Brands: EPEVER Batteries and BMS - Battery Management System Energy Storage module: LFP5.12KWH51.2V-P65H1EV50 Battery module model: LFP5.12KWH51.2V-P65H1EV50*1, LFP5.12KWH51.2V-P65H1EV50*2, LFP5.12KWH51.2V-P65H1EV50*3, LFP5.12KWH51.2V-P65H1EV50*4, LFP5.12KWH51.2V-P65H1EV50*5, LFP5.12KWH51.2V-P65H1EV50*6, LFP5.12KWH51.2V-P65H1EV50*7, LFP5.12KWH51.2V-P65H1EV50*8 High voltage control model: the inverter will work as controller Brands: EPEVER
Inverter Firmware Version ..... :	V1.000
Number of phases ..... :	Single-phase
Nominal Power ..... :	3000W (ELS3K), 3600W (ELS3K6), 4000W (ELS4K), 4600W (ELS4K6), 5000W (ELS5K), 6000W(ELS6K)
Type ..... :	Bidirectional
CUS (useful capacity of the storage system) ..... :	5.12kWh(LFP5.12KWH51.2V-P65H1EV50*1) 10.24kWh(LFP5.12KWH51.2V-P65H1EV50*2) 15.36kWh(LFP5.12KWH51.2V-P65H1EV50*3) 20.48kWh(LFP5.12KWH51.2V-P65H1EV50*4) 25.6kWh(LFP5.12KWH51.2V-P65H1EV50*5) 30.72kWh(LFP5.12KWH51.2V-P65H1EV50*6) 35.84kWh(LFP5.12KWH51.2V-P65H1EV50*7) 40.96kWh(LFP5.12KWH51.2V-P65H1EV50*8)

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-250118

Psn (nominal discharge power) .....:	See following table for details
Pcn (nominal charge power) .....:	See following table for details
Psmax (maximum discharge power) :	See following table for details
Pcmax (maximum charge power) ....:	See following table for details
BMS Firmware Version for system :	V1.000

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-250118

Battery module model	ELS3K	ELS3K6	ELS4K	ELS4K6	ELS5K	ELS6K
	Pcmax/Psmax(W)					
LFP5.12KWH51.2V-P65H1EV50*1	2720/2410	2720/2410	2720/2410	2720/2410	2720/2410	2720/2410
LFP5.12KWH51.2V-P65H1EV50*2	2720/2410	2720/2410	2720/2410	2720/2410	2720/2410	2720/2410
LFP5.12KWH51.2V-P65H1EV50*3	2720/2410	2720/2410	2720/2410	2720/2410	2720/2410	2720/2410
LFP5.12KWH51.2V-P65H1EV50*4	2720/2410	2720/2410	2720/2410	2720/2410	2720/2410	2720/2410
LFP5.12KWH51.2V-P65H1EV50*5	2720/2410	2720/2410	2720/2410	2720/2410	2720/2410	2720/2410
LFP5.12KWH51.2V-P65H1EV50*6	2720/2410	2720/2410	2720/2410	2720/2410	2720/2410	2720/2410
LFP5.12KWH51.2V-P65H1EV50*7	2720/2410	2720/2410	2720/2410	2720/2410	2720/2410	2720/2410
LFP5.12KWH51.2V-P65H1EV50*8	2720/2410	2720/2410	2720/2410	2720/2410	2720/2410	2720/2410
Remark: Psn= Psmax, Pcn= Pcmax						

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-250118

Battery		CUS (useful capacity of the storage system)	
Model(single)	Manufacturer	Capacity of per battery module (kWh)	Number of Max modules recommended by the manufacturer
LFP5.12KWH51.2V-P65H1EV50	Huizhou Epever Technology Co.,Ltd.	5.12	1
		10.24	2
		15.36	3
		20.48	4
		25.6	5
		30.72	6
		35.48	7
		40.96	8

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-250118

Models	ELS3K	ELS3K6	ELS4K	ELS4K6	ELS5K	ELS6K
Nominal Apparent Power Output to Utility Grid (VA)	3000	3680	4000	4600	5000	6000
Nominal Battery Voltage (V)	48V					
Battery Input Data						
Battery Type	Lithium/Lead-acid					
Battery Voltage Range (V)	42-63					
Max. Continuous Charging/Discharging Current (A)	75	80	85	100	110	120
PV String Input Data						
Max. Input Power (W)	4500	5400	6000	6900	7500	9000
Max. Input Voltage (V)	580					
MPPT Operating Voltage Range (V)	100-550					
Start-up Voltage (V)	100					
Nominal Input Voltage (V)	360					
Max. Input Current per MPPT (A)	16					
Max. Short Circuit Current per MPPT (A)	19.2					

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-250118

Number of MPPTs/Number of Strings per MPPT	1/1		2/1			
AC Output Data (On-grid)						
Max. Apparent Power Output to Utility Grid (VA)	3000	3600	4000	4600	5000	6000
Nominal Output Voltage (V)	230					
Nominal AC Grid Frequency (Hz)	50					
Max. AC Current Output to Utility Grid (A)	13	16	17.3	20	21.7	26
Max. AC Current From Utility Grid (A)	28.6	35.2	38.2	43	47.8	55
Power Factor	0.8 un to 0.8 ov					
Software version	V1.000					

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-250118

TYPE OF APPARATUS: Hybrid Inverter			
Number of phases: Single-phase			
DISCONNECTION DEVICE	INTERFACE PROTECTION DEVICE	DEVICE FOR CONVERSION	ROTATING GENERATOR DEVICE
☒	☒	☒	
Static converters in systems with capacity up to 40.96 kW (For models: ELS3K,ELS3K6,ELS4K,ELS4K6,ELS5K,ELS6K) Static converters in systems with capacity more than 40.96 kW (For models: ELS3K,ELS3K6,ELS4K,ELS4K6,ELS5K,ELS6K) The devices are capable to limit Idc to 0.5% of the rated grid current Having examined the ISO 9001 certificate of the manufacturer No.:27322Q20824R0M			

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.