Ref. Certif. No.

SE-115526

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product	Residential Hybrid Inverter
Name and address of the 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
Name and address of the manufacturer	Same as applicant
Name and address of the factory Note: *When more than one factory, please report on page 2*	Same as applicant ☐ Additional Information on page 2
Ratings and principal characteristics	See page 2-3
Trademark / Brand (if any)	EPEVER
Customer's Testing Facility (CTF) Stage used	-
Model / Type Ref.	ELS3K, ELS3K6, ELS4K, ELS4K6, ELS5K, ELS6K
Additional information (if necessary may also be reported on page 2)	☐ Additional Information on page 2
A sample of the product was tested and found to be in conformity with	IEC 62109-1:2010 IEC 62109-2:2011 IEC 62477-1:2022
As shown in the Test Report Ref. No. which forms part of this Certificate	240724130GZU-001, 240724130GZU-002, 240724130GZU-003

This CB Test Certificate is issued by the National Certification Body

Intertek Semko AB
Torshamnsgatan 43
Box 1103
SE-164 22 Kista, Sweden

Date: 30 December, 2024

intertek

Signature:

Quan Li

Ratings and principal characteristics

Model	ELS3K	ELS3K6	ELS4K
PV			
Max. PV voltage	580Vdc		
MPPT voltage range	100 – 550Vdc		
Max. input current	16A		16*2A
Isc PV	19.2A		19.2*2A
Number of MPPT	1		2
Battery			
Battery type	Lithium-ion/Lead-acid		
Nominal voltage	48Vdc		
Charge/Discharge voltage range	42 -63Vdc		
Max. charge/discharge power	3kW	3.6kW	4kW
Max. charge/discharge current	75A	80A	85A
Grid			
Rated Input/Output voltage	230Vac		
Nominal Frequency	50/60Hz		
Rated Output/Input Current	13/28.6A	16/35.2A	17.3/38.2A
Rated Output apparent power	3000VA	3680VA	4000VA
Power factor	0.8 leading – 0.8 lagging		
Back-up			
Rated voltage	230Vac		
Rated frequency	50/60Hz		
Rated Output Current	13A	16A	17.3A
Rated Output apparent power	3000VA	3680VA	4000VA
Power factor	1.0		
General information			
Protective Class	Class I		
Ingress protection	IP65		
Operating Temperature	-30 – 60℃		
Software version	V1.000		

Date: 30 December, 2024 Signature:

Model	ELS4K6	ELS5K	ELS6K
PV			
Max. PV voltage	580Vdc		
MPPT voltage range	100 – 550Vdc		
Max. input current	16*2A		
Isc PV	19.2*2A		
Number of MPPT	2		
Battery			
Battery type	Lithium-ion/Lead-acid		
Nominal voltage	48Vdc		
Charge/Discharge voltage range	42 -63Vdc		
Max. charge/discharge power	4.6kW	5kW	6kW
Max. charge/discharge current	100A	110A	120A
Grid			
Rated Input/Output voltage	230Vac		
Nominal Frequency	50/60Hz		
Rated Output/Input Current	20/43A	21.7/47.8A	26/55A
Rated Output apparent power	4600VA	5000VA	6000VA
Power factor	0.8 leading – 0.8 lagging		
Back-up			
Rated voltage	230Vac		
Rated frequency	50/60Hz		
Rated Output Current	20A	21.7A	26A
Rated Output apparent power	4600VA	5000VA	6000VA
Power factor	1.0		
General information			
Protective Class	Class I		
Ingress protection	IP65		
Operating Temperature	-30 – 60℃		
Software version	V1.000		

Date: 30 December, 2024 Signature: