Ref. Certif. No.

SE-118057

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

CB TEST CERTIFICATE

Product	On-Grid 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
Trademark / Brand (if any)	EPEVER
Customer's Testing Facility (CTF) Stage used	-
Model / Type Ref.	ELS7K5, ELS8K, ELS10K, ELS12K
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
As shown in the Test Report Ref. No. which forms part of this Certificate	250813163GZU-001, 250813163GZU-002

This CB Test Certificate is issued by the National Certification Body

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

Date: 25 November, 2025

intertek

Signature:

Anneli Averland Johansson

Ratings and principal characteristics :

Model or type designation		ELS7K5	ELS8K	ELS10K	ELS12K
PV Input	Vmax PV [Vd.c.]	500			
	Max. Input Power [W]	12000		15000	18000
	MPPT Voltage Range [Vd.c.]	90 - 450			
	Nominal Input Voltage [Vd.c.]	300			
	Max. Input Current per MPPT [Ad.c.]	20			
	Max. Short Circuit Current per MPPT [Ad.c.]	25			
	Number of MPPTs/Number of Strings per MPPT	3/1		4/1	
Battery port	Battery type	Lithium-ion/Lead-acid			
	Battery Normal voltage [Vd.c.]	48			
	Battery voltage range [Vd.c.]	40-60			
	Max. BAT charge/discharge current [A]	190		240	275
	Max. BAT charge/discharge power [W]	7499	8000	10000	12000
Grid port	Rated input / output Voltage [Va.c.]	220/230/240 Va.c., L(N)~+PE			
	Rated input / output Frequency [Hz]	50 / 60			
	Max. output Apparent Power [VA]	7499	8800	11000	13200
	Rated output active Power [VA]	7499	8000	10000	12000
	Rated output Current [Aa.c.]	34.1/32.6/31.3	40/38.3/36.7	50/47.9/45.9	60/57.4/55
	Max. output Current [Aa.c.]	34.1	40	50	60
	Max. input Current [Aa.c.]	55	55	68	80
	Max. input Apparent Power [VA]	12100	12100	14960	17600
	Power Factor cosφ [λ]	[-0.80, 0.80]			
	Overvoltage Category (OVC)	III			

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AC Back-up	Rated Output Voltage [Va.c.]	220/230/240 Va.c., L(N)~+PE			
	Rated Output Frequency [Hz]	50 / 60			
	Rated Output Apparent Power [VA]	7499	8000	10000	12000
	Rated Output active Power [VA]	7499	8000	10000	12000
	Rated Output Current [Aa.c.]	34.1/32.6/31.3	36.4/34.8/33.4	45.5/43.5/41.7	54.6/52.2/50
	Power Factor cosφ [λ]	0.99			
GEN port	Rated input Voltage [Va.c.]	220/230/240 Va.c., L(N)~+PE			
	Max. input Current [Aa.c.]	34.1	36.4	45.5	54.6
	Rated input Power [VA]	7499	8000	10000	12000
	Rated Frequency [Hz]	50 / 60			
General	Firmware version [DSP / MCU]	1.0			
	Protective Class	Class I			
	PV Inverter Topology	No-isolated			
	Enclosure Protection (IP)	IP65			
	Operating Temperature Range [°C]	-25 to 60 (>45 derating)			
	Altitude [m]	4000 m (derating above 2000)			

Date: 25 November, 2025

Signature: