

Certificate of Conformity

Registered No.:
COCPVP10105/24B-001

File reference
PVP10105/24B-001

Test report No.
TRPVP10105/24B/001

Date of issue
2025-03-24

On the basis of the tests undertaken, the samples of the below product(s) have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out:

Applicant: **FOXESS CO., LTD.**
No.939, Jinhai Third Road, New Airport Industry Area, Longwan District,
Wenzhou, Zhejiang, China

Manufacturer: **FOXESS CO., LTD.**
No.939, Jinhai Third Road, New Airport Industry Area, Longwan District,
Wenzhou, Zhejiang, China

Factory: **FOXESS CO., LTD.**
No.939, Jinhai Third Road, New Airport Industry Area, Longwan District,
Wenzhou, Zhejiang, China

Product: Storage Inverter

Type designation: H3-5.0-E, H3-6.0-E, H3-8.0-E, H3-10.0-E, H3-12.0-E,
AC3-5.0-E, AC3-6.0-E, AC3-8.0-E, AC3-10.0-E, AC3-12.0-E

Type of equipment: Interface device
 Interface protection
 Static conversion device
 Rotary generation device
Remark: The device is for plants of each power.

Certification program: BOS-P-01 Rev. 00

Certification fundamental(s): CEI 0-21:2022, CEI 0-21; V1:2022-11, CEI 0-21; V2:2024-01, CEI 0-21;
V2/EC:2024-03, CEI 0-21; V2/EC2:2025-02 "Reference Technical Rule
for the Connection of Active and Passive Users to the LV Networks of
Electricity Distribution Enterprises"
See test report for detailed information.



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TÜV NORD (HANGZHOU) CO., LTD.
Member of TÜV NORD Group
Tel: +86-571-85386989
Fax: +86-571-85386986
www.tuv-nord.com/cn
P.R. China

Version 1.1

Certification body:**TÜV NORD (HANGZHOU) CO., LTD.**

Room B409, Building 1, No. 9, Jiujuan Road, Shangcheng District,
Hangzhou City, Zhejiang Province, 310019, P.R. China
Accredited by CNAS according to ISO/IEC 17065:2012, certificate no.
CNAS C183-P.

Testing laboratory:**Dongguan BALUN Testing Technology Co., Ltd.**

Room 104, 204, 205, Building 1, No. 6, Industrial South Road, Songshan
Lake District, Dongguan, Guangdong, China
Accredited by CNAS according to ISO/IEC 17025:2017, certificate no.
CNAS L14701

Conclusion:

After verifying following documents, it is concluded that the product is in
compliance with the requirements of CEI 0-21:2022, CEI 0-21; V1:2022-
11, CEI 0-21; V2:2024-01, CEI 0-21; V2/EC:2024-03, CEI 0-21;
V2/EC2:2025-02.

ISO 9001 certificate:

Certificate no. 201838, issued by DCI Certification Ltd.

Test report of CEI 0-21:2022, CEI 0-21; V1:2022-11, CEI 0-21;
V2:2024-01, CEI 0-21; V2/EC:2024-03, CEI 0-21; V2/EC2:2025-02

Report no. BL-DG2530172-201, issued by Dongguan BALUN Testing
Technology Co., Ltd., accredited by CNAS according to ISO/IEC
17025:2017, certificate no. CNAS L14701

This document is based on the evaluation of the samples of the above mentioned product(s). It does not
imply an assessment of the mass-production of the product(s), and it does not permit the use of a TÜV
NORD mark. The holder of this document may use it in connection with the related test report(s).



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Description of product(s):

Model types.....:	H3-5.0-E	H3-6.0-E	H3-8.0-E	H3-10.0-E	H3-12.0-E
General information					
Firmware.....:	Manager: V1.18 Master: V1.17 Slave: V1.01				
PV input					
Vmax PV [V d.c.].....:	1000				
Mpp voltage range [V d.c.]..:	160-950				
Isc PV [A d.c.].....:	16/16				32/16
Max. input current [A d.c.]..:	14/14				26/14
Overvoltage category (OVC).....:	II				
AC output (Grid Side) parameters					
Rated output voltage [V a.c.].....:	220/380, 230/400				
Raged output frequency [Hz].....:	50/60				
Rated output power [W].....:	5000	6000	8000	10000	12000
Max. apparent power [W]...:	5500	6600	8800	11000	13200
Max. output current [A a.c.]:	8.0	9.6	12.8	16.0	19.2
Power factor cosφ [λ].....:	1 default (adjustable +/-0.8)				
Overvoltage category (OVC).....:	III				
Battery parameters					
Battery Type.....:	Lithium-ion				
Voltage range[V d.c.].....:	180-600				
Max. Charge/Discharge Current [Ad.c.].....:	26/26				
AC input parameters:					



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Rated output voltage [V a.c.].....:	220/380, 230/400				
Raged output frequency [Hz].....:	50/60				
Max. input power [W].....:	10000	12000	16000		
Max. input current [A a.c.]..:	15.2	18.2	24.2		
Power factor cosφ [λ].....:	1 default (adjustable +/-0.8)				
EPS output parameters:					
Rated output voltage [V a.c.].....:	220/380, 230/400				
Raged output frequency [Hz].....:	50/60				
Max. Apparent power [VA]..:	10000	12000	14000	15000	15000
Max. output current [A a.c.]:	15.2	18.2	21.2	22.7	22.7

Model types.....:	AC3-5.0-E	AC3-6.0-E	AC3-8.0-E	AC3-10.0-E	AC3-12.0-E
General information					
Firmware.....:	Manager: V1.18 Master: V1.17 Slave: V1.01				
AC output (Grid Side) parameters					
Rated output voltage [V a.c.].....:	220/380, 230/400				
Raged output frequency [Hz].....:	50/60				
Rated output power [W].....:	5000	6000	8000	10000	12000
Max. apparent power [W]...:	5500	6600	8800	11000	13200
Max. output current [A a.c.]:	8.0	9.6	12.8	16.0	19.2
Power factor cosφ [λ].....:	1 default (adjustable +/-0.8)				
Overvoltage category (OVC).....:	III				



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Battery parameters				
Battery Type.....:	Lithium-Ion			
Voltage range[V d.c.].....:	180-600			
Max. Charge/Discharge Current [Ad.c.].....:	26/26			
AC input parameters:				
Rated output voltage [V a.c.].....:	220/380, 230/400			
Raged output frequency [Hz].....:	50/60			
Max. input power [W].....:	10000	12000	16000	
Max. input current [A a.c.]..:	15.2	18.2	24.2	
Power factor cosφ [λ].....:	1 default (adjustable +/-0.8)			
EPS output parameters:				
Rated output voltage [V a.c.].....:	220/380, 230/400			
Raged output frequency [Hz].....:	50/60			
Max. Apparent power [VA]..:	10000	12000	14000	15000
Max. output current [A a.c.]:	15.2	18.2	21.2	22.7



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Remark: The inverters listed above may be installed with the following batteries:

The inverters listed above may be installed with the following batteries:				
Manufacturer	FOXESS CO., LTD. (for H3/AC3 series)			
Accumulator Model / Battery Model	ECS2900-H4	ECS2900-H5	ECS2900-H6	ECS2900-H7
Capacity of each battery module (kWh)	2.88			
Number(s) of battery modules (CM2900 & CS2900) recommended by the manufacturer	1+3	1+4	1+5	1+6
BCU	Software version: R1.10 Hardware version: V1.1			
BMU	Software version: R1.8 Hardware version: V1.1			
IVU	Software version: R1.0 Hardware version: V1.1			
Manufacturer	FOXESS CO., LTD. (for H3/AC3 series)			
Accumulator Model / Battery Model	ECS4100-H4	ECS4100-H5	ECS4100-H6	ECS4100-H7
Capacity of each battery module (kWh)	4.03			
Number(s) of battery modules (CM4100 & CS4100) recommended by the manufacturer	1+3	1+4	1+5	1+6
BCU	Software version: R1.10 Hardware version: V1.1			
BMU	Software version: R1.8 Hardware version: V1.1			
IVU	Software version: R1.0 Hardware version: V1.1			
Manufacturer	FOXESS CO., LTD. (for H3/AC3 series)			
Accumulator Model / Battery Model	ECS4300H-H4	ECS4300H-H5	ECS4300H-H6	ECS4300H-H7
Capacity of each battery module (kWh)	4.14			
Number(s) of battery modules recommended by the manufacturer (CM4300H & CS4300H)	1+3	1+4	1+5	1+6



BCU	Software version: R1.10 Hardware version: V1.1					
BMU	Software version: R1.8 Hardware version: V1.1					
IVU	Software version: R1.0 Hardware version: V1.1					
Manufacturer	FOXESS CO., LTD. (for H3/AC3 series)					
Accumulator Model / Battery Model	ECS2800-H4	ECS2800-H5	ECS2800-H6	ECS2800-H7		
Capacity of each battery module (kWh)	2.76					
Number(s) of battery modules (CM2800 & CS2800) recommended by the manufacturer	1+3	1+4	1+5	1+6		
BCU	Software version: R1.10 Hardware version: V1.1					
BMU	Software version: R1.8 Hardware version: V1.1					
IVU	Software version: R1.0 Hardware version: V1.1					
Manufacturer	FOXESS CO., LTD. (for H3/AC3 series)					
Accumulator Model / Battery Model	EQ480 0-L4	EQ480 0-L5	EQ480 0-L6	EQ480 0-L7	EQ480 0-L8	EQ480 0-L9
Capacity of each battery module (kWh)	4.66					
Number(s) of battery modules recommended by the manufacturer (EQ4800-M & CEQ4800-S)	4	5	6	7	8	9
BCU	Software version: R2.0.07 Hardware version: V1.1					
BMU	Software version: R1.0.55 Hardware version: V1.1					
IVU	Software version: V1.0.13 Hardware version: V1.1					
Manufacturer	FOXESS CO., LTD.					
Accumulator Model / Battery Model	EP5	EK5	EP11	EK11		
Nominal energy (kWh)	5.18			10.36		



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Nominal voltage (Vdc)	192	384
BCU	Software version: V1.0.31 Hardware version: V1.1	
BMU	Software version: V1.0.58 Hardware version: V1.2	

Accumulator Model / Battery Model	Number of parallel batteries			
	1	2	3	4
EP5*	1	2	3	4
EK5*	1	2	3	4
EP11**	1	2	3	4
EK11**	1	2	3	4

Note: The batteries are not integrated into the inverter and must be installed according to the local regulations.

ECS2900, ECS2800, ECS4100 and ECS4300H are family products, they have same BMS and same technical except for model name.

*EK5, EP5 are family products, they have same BMS and same technical except for model name.

**EK11, EP11 are family products, they have same BMS and same technical except for model name.

