

# Certificate of Conformity

Registered No.:  
**COCPVP01134/24E-02**

File reference  
PVP01134/24E-01

Test report No.  
TRPVP01134/24E/01

Date of issue  
2024-07-02

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:** H1-6.0-E, H1-5.0-E, H1-4.6-E, H1-3.7-E, H1-3.0-E, AC1-6.0-E,  
AC1-5.0-E, AC1-4.6-E, AC1-3.7-E, AC1-3.0-E, AIO-H1-6.0, AIO-H1-5.0,  
AIO-H1-4.6, AIO-H1-3.7, AIO-H1-3.0, AIO-AC1-6.0, AIO-AC1-5.0,  
AIO-AC1-4.6, AIO-AC1-3.7, AIO-AC1-3.0, AC1-3.0-E-G2,  
AC1-3.7-E-G2, AC1-4.6-E-G2, AC1-5.0-E-G2, AC1-6.0-E-G2,  
AC1-4.6-E1-G2, AC1-5.0-E1-G2, H1-3.0-E-G2, H1-3.7-E-G2,  
H1-4.6-E-G2, H1-5.0-E-G2, H1-6.0-E-G2, H1-4.6-E1-G2, H1-5.0-E1-G2

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



Renewable Energy

BOS&ESS-T-004 COC



中国认可  
产品  
**PRODUCT**  
**CNAS C183-P**

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TÜV NORD (HANGZHOU) CO., LTD.  
Member of TÜV NORD Group  
Tel: +86-571-85386989  
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P.R. China

Version 1.0

**Certification program:** BOS-P-01 Rev. 00

**Certification fundamental(s):** CEI 0-21:2019-04, CEI 0-21:2022-03, CEI 0-21; V1:2022-11 "Reference technical rules for the connection of active and passive users to the LV electrical Utilities"  
See test report for detailed information.

**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 0-21:2019-04, CEI 0-21:2022-03, CEI 0-21; V1:2022-11.  
 ISO 9001 certificate:  
Certificate no. 201838, issued by DCI Certification Ltd.  
 Test report of CEI 0-21:2019-04, CEI 0-21:2022-03, CEI 0-21; V1:2022-11:  
Report no. BL-DG2451152-201, 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.....:	AC1-3.0-E/ AIO-AC1- 3.0/ H1-3.0- E/ AIO-H1-3.0	AC1-3.7-E/ AIO-AC1- 3.7/ H1-3.7- E/ AIO-H1-3.7	AC1-4.6-E/ AIO-AC1- 4.6/ H1-4.6- E/ AIO-H1-4.6	AC1-5.0-E/ AIO-AC1- 5.0/ H1-5.0- E/ AIO-H1-5.0	AC1-6.0-E/ AIO-AC1- 6.0/ H1-6.0- E/ AIO-H1-6.0
<b>General information:</b>					
Firmware.....:	V1.09				
<b>Battery input parameters:</b>					
Battery Type.....:	Lithium-Ion				
Voltage range[V d.c.].....:	85-450 (AC1-3.0-E, AC1-3.7-E, AC1-4.6-E, AC1-5.0-E, AC1-6.0-E, H1-3.0-E, H1-3.7-E, H1-4.6-E, H1-5.0-E, H1-6.0-E) 85-233.6 (AIO-AC1-3.0, AIO-AC1-3.7, AIO-AC1-4.6, AIO-AC1-5.0, AIO-AC1-6.0, AIO-H1-3.0, AIO-H1-3.7, AIO-H1-4.6, AIO-H1-5.0, AIO-H1-6.0)				
Max. Charge/ Discharge Current [A d.c.].....:	40/40				
<b>AC output (Grid Side) parameters:</b>					
Rated output voltage [V a.c.].....:	220/230/240				
Raged output frequency [Hz].....:	50/60				
Rated output power [W].....:	3000	3680	4600	5000	6000
Max. apparent power [VA]...:	3300	4048	5060	5500	6600
Max. output current [A a.c.]...:	14.4	17.6	22.0	23.9	28.7
Power factor cosφ [λ].....:	1 default (adjustable +/-0.8)				
<b>AC output (Back-up) parameters:</b>					
Rated output voltage [V a.c.] .....	220/230/240				
Raged output frequency [Hz].....:	50/60				
Rated output power [W].....:	5000	5000	6000	6000	6000
Max. apparent power [VA]...:	5000	5000	6000	6000	6000



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Max. output current [A a.c.]:	21.7	21.7	26.1	26.1	26.1
Power factor $\cos\phi$ [ $\lambda$ ].....:	1 default (adjustable +/-0.8)				
Overvoltage category (OVC).....:	III				

Model types.....:	H1-3.0-E-G2/AC1-3.0-E-G2	H1-3.7-E-G2/AC1-3.7-E-G2	H1-4.6-E-G2/AC1-4.6-E-G2	H1-5.0-E-G2/AC1-5.0-E-G2	H1-6.0-E-G2/AC1-6.0-E-G2	H1-4.6-E1-G2/AC1-4.6-E1-G2	H1-5.0-E1-G2/AC1-5.0-E1-G2
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<b>General information</b>							
Firmware.....:	V1.09						
<b>Battery input parameters:</b>							
Battery Type.....:	Lithium-Ion						
Voltage range[V d.c.].....:	80-480						
Max. Charge/ Discharge Current [A d.c.].....:	40/40						
<b>AC output (Grid Side) parameters:</b>							
Rated output voltage [V a.c.].....:	220/230/240						
Raged output frequency [Hz].....:	50/60						
Rated output power [W].....:	3000	3680	4600	5000	6000	4600	5000
Max. apparent power [VA]...:	3300	4048	5060	5500	6600	4600	5000
Max. output current [A a.c.]:	15.0	18.4	23.0	25.0	30.0	20.9	22.7
Power factor $\cos\phi$ [ $\lambda$ ].....:	1 default (adjustable +/-0.8)						
<b>AC output (Back-up) parameters:</b>							
Rated output voltage [V a.c.].....:	220/230/240						
Raged output frequency [Hz].....:	50/60						
Rated output power [W].....:	3000	3680	4600	5000	6000	4600	5000



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<b>Max. apparent power [VA]...:</b>	3000	3680	4600	5000	6000	4600	5000
<b>Max. output current [A a.c.]...:</b>	13.6	16.7	20.9	22.7	27.3	20.9	22.7
<b>Power factor cosφ [λ].....:</b>	1 default (adjustable +/-0.8)						
<b>Overvoltage category (OVC).....:</b>	III						

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

The inverters listed above may be installed with the following batteries:				
<b>Manufacturer</b>	<b>FOXESS CO., LTD.</b>			
Accumulator Model / Battery Model	EP5	EK5	EP11	EK11
Nominal energy (kWh)	5.18		10.36	
Nominal voltage (Vdc)	192		384	

Accumulator Model / Battery Model	Number of parallel batteries			
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.

\*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.


