Certificate

of Conformity

Registered No.:

COCPVP08058/22E-01

File reference	Test report No.	Date of issue
PVP08058/22E-01	TRPVP08058/22E/01	2022-12-30

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

Three-phase,

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 0-21:2019-04 “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.**

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	Room B409, Building 1, No 9 Jiuhuan Road, Shangcheng District，Hangzhou, Zhejiang Province, 310019, 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. ☒ ISO 9001 certificate: Certificate no. 201838, issued by DCI Certification Ltd. ☒ Test report of CEI 0-21:2019-04: Report no. BL-DG22A0352-B01, issued by Dongguan BALUN Testing Technology Co., Ltd., accredited by CNAS according to ISO/IEC 17025:2017, certificate no. CNAS L14701 ☒ Test report of EMC: Report no. 21B0806R-PV-CE-P01V01, issued by DEKRA Testing and Certification(Suzhou) Co., Ltd, accredited by A2LA according to ISO/IEC 17025:2017, certificate no. #3235.01. Report no. BL-DG2210523-401, issued by Dongguan BALUN Testing Technology Co., Ltd., accredited by CNAS according to ISO/IEC 17025:2017, certificate no. CNAS L14701. Report no. J22-113-WT, issued by Shanghai Inspection and Testing Institute of Instruments and Automation Systems Co., Ltd., accredited by CNAS according to ISO/IEC 17025:2017, certificate no. CNAS L0130.

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：V1.17 Master: V1.01 Slave: V1.18				
PV input					
Vmax PV [V d.c.]……:	1000				
Mpp voltage range [V d.c.]..:	160-950				
Isc PV [A d.c.]……:	14/14		26/14		
Max. input current [A d.c.]..:	16/16		32/16		
Overvoltage category (OVC)……:	II				
AC output (Grid Side) parameters					
Rated output voltage [V a.c.]……..:	220/380, 230/400, 3L/N/PE				
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 Current [Ad.c.]……..:	26				
Max. Discharge Current [Ad.c.]……..:	26				

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AC input parameters:					
Rated output voltage [V a.c.]……:	220/380, 230/400, 3L/N/PE				
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, 3L/N/PE				
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：V1.17 Master: V1.01 Slave: V1.18				
AC output (Grid Side) parameters					
Rated output voltage [V a.c.]……..:	220/380, 230/400, 3L/N/PE				
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)				

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Overvoltage category (OVC)……..…..:	III				
Battery parameters					
Battery Type……...:	Lithium-Ion				
Voltage range[V d.c.]……:	180-600				
Max. Charge Current [Ad.c.]……...:	26				
Max. Discharge Current [Ad.c.]……...:	26				
AC input parameters:					
Rated output voltage [V a.c.]…….....:	220/380, 230/400, 3L/N/PE				
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, 3L/N/PE				
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

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	HS 10.4	HS 13	HS 15.6	HS 18.2
Capacity of each battery module (kWh)	2.6			
Number(s) of battery modules (HV2600) recommended by the manufacturer	4	5	6	7

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Manufacturer	**FOXESS Co., Ltd.(for H3/AC3 series)**	
Accumulator Model / Battery Model	HS 20.8	
Capacity of each battery module (kWh)	2.6	
Number(s) of battery modules (HV2600) recommended by the manufacturer	8	
Manufacturer	**FOXESS Co., Ltd.(for H3/AC3 series)**	
Accumulator Model / Battery Model	ECS2900-H4	ECS2900-H5
Capacity of each battery module (kWh)	2.88	
Number(s) of battery modules (CM2900& CS2900) recommended by the manufacturer	1+3	1+4
Manufacturer	**FOXESS Co., Ltd.(for H3/AC3 series)**	
Accumulator Model / Battery Model	ECS2900-H6	ECS2900-H7
Capacity of each battery module (kWh)	2.88	
Number(s) of battery modules (CM2900&CS2900) recommended by the manufacturer	1+5	1+6
Manufacturer	**FOXESS Co., Ltd.(for H3/AC3 series)**	
Accumulator Model / Battery Model	ECS4100-H4	ECS4100-H5
Capacity of each battery module (kWh)	4.03	
Number(s) of battery modules (CM4100&CS4100) recommended by the manufacturer	1+3	1+4
Manufacturer	**FOXESS Co., Ltd.(for H3/AC3 series)**	
Accumulator Model / Battery Model	ECS4100-H6	ECS4100-H7
Capacity of each battery module (kWh)	4.03	
Number(s) of battery modules (CM4100&CS4100) recommended by the manufacturer	1+5	1+6

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Manufacturer	**FOXESS Co., Ltd.(for H3/AC3 series)**				
Accumulator Model / Battery Model	HS 10	HS 12.5	HS 15	HS 17.5	HS 20
Capacity of each battery module (kWh)	2.45				
Number(s) of battery modules (Mira-BMS & Mira -HV25) recommended by the manufacturer	1+4	1+5	1+6	1+7	1+8
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 (CM4300H&CS4300H) recommended by the manufacturer	1+3	1+4	1+5	1+6	
Note: The batteries are not integrated into the inverter and must be installed according to the local regulations.					

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