

DICHIARAZIONE DI CONFORMITA' CEI -021

Costruttore		FOXESS CO., LTD. No.939, Jinhai Third Road, New Airport Industry Area, Longwan District Wenzhou, China			
Tipo di apparecchiatura		Sistema di accumulo (BESS) dotato di convertitore fotovoltaico (FV) integrato statico bidirezionale			
Marca		FOXESS			
N.fasi		Monofase 220/230/240V L+N+PE 50-60Hz			
Energia primaria utilizzata		Solare, Accumulo			
Modelli	P100-(5-10)-H P100-(5-10)-AC		P100-(5-9.9)-H-L P100-(5-9.9)-AC-L		
Riferimento Modelli					
P100-5-H P100-5-AC	P100-6-H P100-6-AC	P100-7-H P100-7-AC	P100-8-H P100-8-AC	P100-9-H P100-9-AC	P100-10-H P100-10-AC
Potenza nominale (kW)					
5	6	7	8	9	10
Potenza massima apparente (kVA)					
5	6.6	7.7	8.8	9.9	11
Corrente nominale ingresso CA [A]					
27.3	32.7	32	43.6	49.1	54.5
Corrente nominale uscita CA [A]					
22.7/21.7	27.3/26.1	31.8/30.4	36.4/34.9	40.9/39.1	45.5/43.5
Potenza CC Complessiva (kW)					
16	16	20	20	20	20

Riferimento modelli			
P100-5-H-L P100-5-AC-L	P100-6-H-L P100-6-AC-L	P100-7.5-H-L P100-7.5-AC-L	P100-9.9-H-L P100-9.9-AC-L
Potenza nominale (kW)			
5	6	7.5	9.9
Potenza massima apparente (kVA)			
6	7.2	9	11.88
Corrente nominale ingresso CA [A]			
27.3	32.7	40.9	54.0
Corrente nominale uscita CA [A]			
22.7/21.7	27.3/26.1	34.1/32.6	45/43
Corrente corto-circuito (ICC[A])			
150	150	150	150
Potenza CC Complessiva (kW)			
16	16	20	20
Versione Fw*			
Master 1.00	Slave 1.00		Manager 1.00

***Valida per tutti i dispositivi di ogni potenza e taglia**

Caratteristiche del sistema di accumulo (SdA)		
Marca	Do-Fluoride New Energy Technology Co.,Ltd	Xiamen Hilithium Energy Storage Technology
Tecnologia	LFP (LifePO4)	
Modelli batterie	LFR60150-50Ah	LFP64151/50Ah

CUS [kWh]	10.24			10.24		
Versione FW	R 1.0					
Riferimento modelli						
P100-5-H P100-5-AC	P100-6-H P100-6-AC	P100-7-H P100-7-AC	P100-8-H P100-8-AC	P100-9-H P100-9-AC	P100-10-H P100-10-AC	
Pcn (Potenza di carica nominale)						
10kW	10kW	10kW	10kW	10kW	10kW	
Pcs (Potenza di scarica nominale)						
5kW	6kW	7kW	8kW	9kW	10kW	
Riferimento modelli						
P100-5-H-L P100-5-AC-L	P100-6-H-L P100-6-AC-L		P100-7.5-H-L P100-7.5-AC-L		P100-9.9-H-L P100-9.9-AC-L	
Pcn (Potenza di carica nominale)						
10kW	10kW		10kW		10kW	
Pcn (Potenza di carica nominale)						
5kW	6kW		7.5kW		9.9kW	
Note:	E' possibile collegare in parallelo sino ad un massimo di 3 unita' mediante l'utilizzo del Dispositivo "Ai Link" Ogni unita' contiene un numero massimo di moduli batterie pari a 1					

RIFERIMENTI DEI LABORATORI CHE HANNO ESEGUITO LE PROVE

Norme e Numero di certificato:	CEI 0-21:2022; CEI-021 V1:2022-11; CEI-021 V2:2024-01; V2/EC:2024-03 Certificato N: LS2A25061801EGIT01 del 06/01/2026
Rif. Ente certificatore:	Lyns-tci Technology Guandgong Co., Ltd
Note:	Il dispositivo è in grado di limitare la Idc allo 0,5% della corrente nominale. Il dispositivo è adatto ad impianti di ogni potenza.

Caratteristiche tecniche del dispositivo d'interfaccia (DDI)

Marca	Hongfa
Modello	HF165F/12-HT (A21)
Tipo	Relè
Numero	4
Interblocchi di funzionamento	No
Normativa di riferimento	CEI-021; CEI EN 61810-1
Nota:	Il dispositivo è completamente integrato all'interno dell'inverter

Caratteristiche tecniche del sistema di protezione d'interfaccia (SPI)

Modelli	P100-(5-10)-H P100-(5-10)-AC P100-(5-9.9)-H-L P100-(5-9.9)-AC-L
Firmware	V 1.00
Nota:	Il dispositivo è completamente integrato all'interno dell'inverter

Dichiarazione di conformità alle prescrizioni:

CEI 0-21:2022; CEI-021 V1:2022-11; CEI-021 V2:2024-01;

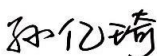
V2/EC:2024-03; V2/EC:2024-03

Con la presente dichiarazione, resa ai sensi degli art. 47 DPR 28 dicembre 2000, n. 445, consapevole delle responsabilità e delle sanzioni penali previste dall'art. 76 del citato DPR per false attestazioni e dichiarazioni mendaci, il sottoscritto Sun yiqi, numero di passaporto EJ5635461, in Direttore Marketing per FOXESS CO., LTD. Codice Fiscale: 91330300MA2H942RXG. Indirizzo: Room A203, Building C, No.205 Binhai Six Road, New Airport Industry Area, Longwan District, Wenzhou City, Zhejiang Province, China.

DICHIARA

Che l'inverter di produzione propria indicato al punto "Tipo di dispositivo a cui si riferisce la dichiarazione" è conforme alle prescrizioni incluse nelle Norme **CEI 0-21:2022; CEI-021 V1:2022-11; CEI-021 V2:2024-01; V2/EC:2024-03;**

Firma del dichiarante

A handwritten signature in black ink, appearing to be the name "Sun Yiqi" in Chinese characters.

Data: 08/05/2026

NOTA INFORMATIVA AI SENSI DELL'ART. 13 Del D.Lgs. 196/2003: I dati sopra riportati sono forniti per le disposizioni di legge in vigore al solo scopo del procedimento amministrativo per il quale sono stati richiesti e possono essere utilizzati solo per tale oggetto.

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VERIFICATION OF COMPLIANCE

Release No.:
1.2 (2024)

Verification No.: **VLS2A25061801EGIT01**

Date of issue: 2026-01-06

Applicant: FOXESS CO., LTD.

No.939, Jinhai Third Road, New Airport Industry Area, Longwan District, Wenzhou, Zhejiang, China

Device Category: Inverter

Device Type: Hybrid (PV with DC coupled Electricity Storage)
Energy Storage System

Model(s): EVO 10-(3.7~10)-H

EVO 10-(3.7~10)-AC

P100-(5~10)-H

P100-(5~10)-AC

EVO 10-(5~9.9)-AC-L

P100-(5~9.9)-H-L

P100-(5~9.9)-AC-L

EVO 10-(5~9.9)-H-L

Trademark: FOXESS

Technical data: (For further details see A.2 *Technical data of the Generating Unit(s) on p.2*)

Software version: master: 1.00 / slave: 1.00 / manager: 1.00

Grid connection code: CEI 0-21:2022-03; CEI 0-21;V1:2022-11; CEI 0-21;V2:2024-01;
CEI 0-21;V2/EC:2024-03

Technical reference rule for the connection of active and passive users to the LV electricity distribution networks of companies.

Topology of the device, which this certificate is based on:

INTERFACE DEVICE	PROTECTION INTERFACE	STATIC ELECTRONIC INVERTER	ROTATING GENERATION MACHINE
X	X	X	

Indicate with one X the field or fields to which the declaration refers.

PHASE NUMBER: Single-phase

Note:

The device is able to limit the Idc to 0.5% of the nominal current.

The device is for plants of each power.

The inverters of FOXESS CO., LTD. have a maximum apparent power limit.

In the case where a system should be able to reach in every working condition a determined power factor, it is necessary to set the maximum active power in such a way, that you can reach at any time the cos-phi wanted.

Test report no.: LS2A25061801EGIT01; LS2A25061801EGIT02

This verification confirms that the above-mentioned generating unit(s) with corresponding software meet the requirements of the referenced grid connection code at the time the tests were conducted.



Jack Shi
Sr. Project Manager

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Lyns-tci Technology Guangdong Co., Ltd.

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Annex to the Verification No.: VLS2A25061801EGIT01

A.1 Revision history of the verification

Revision	Date	Changes	Status
0 (VLS2A25061801EGIT01)	2026-01-06	Initial issue	Active

A.2 Technical data of the Generating Unit(s)

Model/Type reference	EVO 10-3.7-H EVO 10-3.7-AC *	EVO 10-5-H EVO 10-5-AC * P100-5-H P100-5-AC *	EVO 10-6-H EVO 10-6-AC * P100-6-H P100-6-AC *	EVO 10-7-H EVO 10-7-AC * P100-7-H P100-7-AC *	EVO 10-8-H EVO 10-8-AC * P100-8-H P100-8-AC *	EVO 10-9-H EVO 10-9-AC * P100-9-H P100-9-AC *	EVO 10-10-H EVO 10-10-AC * P100-10-H P100-10-AC *
Ratings:							
PV INPUT *							
Max. Input voltage [V]	600						
MPP voltage range [V]	80-550						
Nominal voltage [V]	360						
Max. PV input current [A]	20/20			20/20/20			
BATTERY							
Battery Voltage Range [V]	185,6–233,6						
Max. continuous current [A]	50						
Battery Type	LFP (LiFePO ₄)						
Max. charge current [A]	50/18,4	50/25	50/30	50/35	50/40	50/45	50/50
Max. discharge current [A]	18,4/18,4	25/25	30/30	35/35	40/40	45/45	50/50
AC INPUT							
Nominal voltage [V]	220/230/240V, L+N+PE, 50/60Hz**						
Max. AC Input current [A]	20,0	27,3	32,7	38,2	43,6	49,1	54,5
Max. apparent power [kVA]	4,4	6	7,2	8,4	9,6	10,8	12
AC OUTPUT							
Nominal voltage [V]	220/230/240V, L+N+PE, 50/60Hz**						
Rated output current [A]	16,7/16**	22,7/21,7**	27,3/26,1**	31,8/30,4**	36,4/34,9**	40,9/39,1**	45,5/43,5**
Max. AC output current [A]	16,7/16**	25,0/23,9**	30,0/28,7**	35,0/33,5**	40,0/38,3**	45,0/43,0**	50,0/47,8**
Rated power [kW]	3,68	5,0	6,0	7,0	8,0	9,0	10,0
Max. apparent power [kVA]	3,68	5,5	6,6	7,7	8,8	9,9	11,0
Software version	master: 1.00 / slave: 1.00 / manager: 1.00						

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Model/Type reference	EVO 10-5-H-L EVO 10-5-AC-L* P100-5-H-L P100-5-AC-L *	EVO 10-6-H-L EVO 10-6-AC-L* P100-6-H-L P100-6-AC-L *	EVO 10-7.5-H-L EVO 10-7.5-AC-L * P100-7.5-H-L P100-7.5-AC-L	EVO 10-9.9-H-L EVO 10-9.9-AC-L* P100-9.9-H-L P100-9.9-AC-L *
Ratings:				
PV INPUT *				
Max. Input voltage [V]	600			
MPP voltage range [V]	80-550			
Nominal voltage [V]	360			
Max. PV input current [A]	20/20		20/20/20	
BATTERY				
Battery Voltage Range [V]	185,6~233,6			
Max. continuous current [A]	50			
Battery Type	LFP (LiFePO ₄)			
Max. charge current [A]	50/25	50/30	50/37,5	50/49,5
Max. discharge current [A]	25/25	30/30	37,5/37,5	49,5/49,5
AC INPUT				
Nominal voltage [V]	220/230/240V, L+N+PE, 50/60Hz**			
Max. AC Input current [A]	27,3	32,7	40,9	54,0
Max. apparent power [kVA]	6	7,2	9	11,88
AC OUTPUT				
Nominal voltage [V]	220/230/240V, L+N+PE, 50/60Hz**			
Rated output current [A]	22,7/21,7**	27,3/26,1**	34,1/32,6**	45,0/43,0**
Max. AC output current [A]	22,7/21,7**	27,3/26,1**	34,1/32,6**	45,0/43,0**
Rated power [kW]	5,0	6,0	7,5	9,9
Max. apparent power [kVA]	5,0	6,0	7,5	9,9
Software version	master: 1.00 / slave: 1.00 / manager: 1.00			
Note:				
* Without PV input port for EVO 10-XX-AC (XX=3,7,5,6,7,8,9,10), P100-XX-AC (XX=5,6,7,8,9,10), EVO 10-XX-AC-L (XX=5,6,7,5,9,9) and P100-XX-AC-L (XX=5,6,7,5,9,9).				
**All tests are carried out on 230V,50Hz.				

Factory's name	FOXESS CO., LTD.
Factory address	No.939, Jinhai Third Road, New Airport Industry Area, Longwan District, Wenzhou, Zhejiang, China
Testing laboratory	Lyons-tci Technology Guangdong Co., Ltd. Room 1201, Unit 2, Building 18, No. 7, Science and Technology Boulevard, Houjie Town, Dongguan City, Guangdong, 523960 P.R. China (Accredited acc. ISO/IEC 17025: A2LA Accreditation no. 5200.02)
Testing location	Same as above
Date(s) of performance of tests	2025-08-05 to 2025-12-25

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Annex to the Verification No.: **VLS2A25061801EGIT01**

A.3 Batteries that can be used with the static converters listed above

Brand	Do-Fluoride New Energy Technology Co., Ltd.	Xiamen Hithium Energy Storage Technology
Technology	LFP	
Battery Cell Model	LFR60150-50Ah	LFP64151/50Ah
CUS module [kWh]	10.24	10.24
Firmware version BMS	R1.0	
Note	The above energy storage system is an integrated unit, composed of battery cells and an inverter.	