

Certificate No.: **LS250039GCC-0**

Date of issue: 2025-04-25

Valid until: Indefinitely

Applicant:	FOXESS CO., LTD. No.939, Jinhai Third Road, New Airport Industry Area, Longwan District, Wenzhou, Zhejiang, China	
Product:	Hybrid inverter (PV + DC coupled storage):	H3- {5.0 ~ 15.0}-Smart P3- {5.0 ~ 15.0}-SH
	Storage inverter:	AC3- {5.0 ~ 15.0}-Smart P3- {5.0 ~ 15.0}-SA
Model(s):	H3- {5.0 ~ 15.0}-Smart: H3-5.0-Smart, H3-6.0-Smart, H3-8.0-Smart, H3-9.9-Smart, H3-10.0-Smart, H3-12.0-Smart, H3-15.0-Smart; P3- {5.0 ~ 15.0}-SH: P3-5.0-SH, P3-6.0-SH, P3-8.0-SH, P3-10.0-SH, P3-10.0-SH1, P3-12.0-SH, P3-15.0-SH; AC3- {5.0 ~ 15.0}-Smart: AC3-5.0-Smart, AC3-6.0-Smart, AC3-8.0-Smart, AC3-9.9-Smart, AC3-10.0-Smart, AC3-12.0-Smart, AC3-15.0-Smart; P3- {5.0 ~ 15.0}-SA: P3-5.0-SA, P3-6.0-SA, P3-8.0-SA, P3-10.0-SA, P3-10.0-SA1, P3-12.0-SA, P3-15.0-SA	
Trademark:		
Technical data:	Nominal active output power [W]:	5000 ~ 15000
	Nominal output AC voltage [V]:	230 / 400 (3L + N + PE, 50 Hz)
	(For further details see A.2 on p.2)	
Software version:	V1.16	
Applied standard(s) / guideline(s):	IEC 60068-2-1:2007 * Environmental testing - Part 2-1: Tests – Test A: Cold IEC 60068-2-2:2007 * Environmental testing - Part 2-2: Tests – Test B: Dry heat IEC 60068-2-14:2023 * Environmental testing - Part 2-14: Tests – Test N: Change of temperature IEC 60068-2-30:2005 * Environmental testing - Part 2-30: Tests – Test Db and guidance: Damp heat, cyclic (12 + 12-hour cycle) IEC 60068-2-64:2008 * Environmental testing - Part 2-64: Tests – Test Fh: Vibration, broadband random and guidance IEC 61683:1999 Photovoltaic systems - Power conditioners - Procedure for measuring efficiency IEC 61727:2004 Photovoltaic (PV) systems - Characteristics of the utility interface IEC 62116:2014 Utility-interconnected photovoltaic inverters - Test procedure of islanding prevention measures Note: * The marked standards are not within the accreditation scope of the certification body.	
Certification scheme:	CMPD-01	
Test report no.:	LS2A25031302EGIE01 (2025-04-22) LS2A25031302EGIE02 (2025-04-22) LS2A25031302EGIE03 (2025-04-22) VTL25.03.057CE (2025-03-27)	

This certificate confirms that the above-mentioned generating unit(s) with corresponding software meet the requirements of the referenced standard(s) / guideline(s) at the time of issuance of the certificate.

This certificate relates to type testing and does not imply LYNS's endorsement, approval, certification or on-going control of the product(s), either in terms of performance, design, manufacture or materials used. This certificate and the results stated herein relate solely to the sample product(s) tested and to the specific tests undertaken.

The certificate will remain valid for the stated period providing no changes are made to the product, production method etc. This certificate is only valid when this is also found at <http://www.lyns-tci.com/en/certificate-search> or contact Lyns-tci Technology Guangdong Co., Ltd..

This certificate is for the exclusive use of LYNS's Client and is provided pursuant to the agreement between LYNS and its Client. LYNS's responsibility and liability are limited to the terms and conditions of the agreement. LYNS assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned using this verification.

The certificate is comprised of 3 pages (including Annex of 2 pages).

Dongguan, 2025-04-25

Dipl.-Ing. Weizhao Zheng
Head of certification body

Certification body Lyns-tci Technology Guangdong Co., Ltd. accredited according to ISO/IEC 17065 for product certification.

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A.1 Revision history of the certificate

Rev. No.	Date	Changes	Status
Rev. 0	2025-04-25	Initial issue	Active

A.2 Technical data of the power generating unit(s)

Product family	H3- {5.0 ~ 15.0}-Smart / P3- {5.0 ~ 15.0}-SH / AC3- {5.0 ~ 15.0}-Smart / P3- {5.0 ~ 15.0}-SA		
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Model	H3-5.0-Smart P3-5.0-SH¹ AC3-5.0-Smart P3-5.0-SA	H3-6.0-Smart P3-6.0-SH¹ AC3-6.0-Smart P3-6.0-SA	H3-8.0-Smart P3-8.0-SH AC3-8.0-Smart P3-8.0-SA
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DC input (PV) ²			
Max. DC input voltage [V]	1000		
Operating MPPT voltage range [V]	120 ~ 950		
Max. input DC current [A]	20 / 20 / 20 or 20 / 20 ¹		
Battery connection			
Battery voltage range [V]	100 ~ 800		
Battery charging current [A]	max. 50 A		
Battery discharging current [A]	max. 50 A		
Battery type	Lithium-Ion		
AC connection			
No. of phases	<input type="checkbox"/> Single-phase		<input checked="" type="checkbox"/> Three-phase
Nominal output AC voltage [V]	230 / 400 (3L + N + PE, 50 Hz)		
Max. output AC current [A]	8.3	10.0	13.3
Nominal active output power [W]	5000	6000	8000
Max. apparent output power [VA]	5500	6600	8800

Model	H3-9.9-Smart P3-10.0-SH1 AC3-9.9-Smart P3-10.0-SA1	H3-10.0-Smart P3-10.0-SH AC3-10.0-Smart P3-10.0-SA	H3-12.0-Smart P3-12.0-SH AC3-12.0-Smart P3-12.0-SA	H3-15.0-Smart P3-15.0-SH AC3-15.0-Smart P3-15.0-SA
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DC input (PV) ²				
Max. DC input voltage [V]	1000			
Operating MPPT voltage range [V]	120 ~ 950			
Max. input DC current [A]	20 / 20 / 20			
Battery connection				
Battery voltage range [V]	100 ~ 800			
Battery charging current [A]	max. 50 A			
Battery discharging current [A]	max. 50 A			
Battery type	Lithium-Ion			
AC connection				
No. of phases	<input type="checkbox"/> Single-phase		<input checked="" type="checkbox"/> Three-phase	
Nominal output AC voltage [V]	230 / 400 (3L + N + PE, 50 Hz)			
Max. output AC current [A]	15.0	16.7	20.0	25.0
Nominal active output power [W]	9900	10000	12000	15000
Max. apparent output power [VA]	9900	11000	13200	16500

¹ For models P3-5.0-SH and P3-6.0-SH (equipped with 2 MPP trackers) only.

² Technical data of the PV input for Product family H3-{5.0 ~ 15.0}-Smart and P3- {5.0 ~ 15.0}-SH only.

Annex to the Certificate No.: LS250039GCC-0

Operating temperature range	-25°C ~ +60°C
Degree of protection	IP65 (according to EN 60529)
Protection class	I (according to IEC 62109-1)
Over voltage category	AC: III; DC: II (according to IEC 62109-1)
Topology	No galvanic isolation
Firmware version	V1.16
Manufacturer	FOXESS CO., LTD No.939, Jinhai Third Road, New Airport Industry Area, Longwan District, Wenzhou, Zhejiang, China

A.3 Remarks for type testing

Testing laboratory	Lyns-tci Technology Guangdong Co., Ltd. 1201, Unit 2, Building 18, No. 7, Science and Technology Boulevard, Houjie Town, Dongguan City, Guangdong, 523960 P.R.C (Accredited acc. ISO/IEC 17025: A2LA Accreditation no. 5200.02)
Testing location	Same as above
Measurement period	2025-03-27 - 2025-04-07
Testing laboratory	Jiangsu Vehicle Testing Services Co., Ltd. Building 6, No.278, Huajin Road, Tongan, SND, Suzhou, Jiangsu, China (Accredited acc. ISO/IEC 17025: CNAS Accreditation no. L12681)
Testing location	Same as above
Measurement period	2025-03-14 - 2025-03-24