Certificate No.: HC23111401001-EG-IC-C001

Date of issue: 2023-12-11 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)

Model(s): KH7, KH8, KH9, KH10, KH10.5

Trademark: FOX

Technical data: Nominal active output power [W]: 7000 ~ 10500

Nominal output AC voltage [V]: 230 (L + N + PE, 50 Hz)

(For further details see A.2 on p.2.)

Software version: Master: V1.20; Slave: V1.01

Applied standard(s) / IEC 60068-2-1:2007 *

guideline(s): Environmental testing – Part 2-1: Tests – Test A: Cold

IEC 60068-2-2:2007 *
Environmental testing – Part 2-2: Tests – Test B: Dry heat

Environmental testing – Part 2-2. Tests – Test B. Dry fleat

IEC 60068-2-14:2009 *

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 60068-2-64:2019 *

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.: HC23111401001-EG-IC-001 (2023-12-08)

HC23111401002-EG-IC-001 (2023-12-08) HC23111401003-EG-IC-001 (2023-12-08)

VTL23.11.069CE (2023-12-01)

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

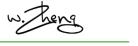
This certificate relates to type testing and does not imply LYNS's endorsement, approval, certification or on-going control of the product(s), either in terms of performance, design, manufacture or materials used. This certificate and the results stated herein relate solely to the sample product(s) tested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

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

Dongguan, 2023-12-11



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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Annex to the Certificate No.: HC23111401001-EG-IC-C001

A.1 Revision history of the certificate

Rev. No.	Date	Changes	Status
Rev. 0 (HC23111401001-EG-IC-C001)	2023-12-11	Initial issue	Active

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

Product family	KH{7 ~ 10.5}			
Model	KH7	KH8	КН9	
DC input (PV)		•		
Max. DC input voltage [V]		600	4-1-	
Operating MPPT voltage range [V]		80 ~ 500		
Max. input DC current	16 A * 3		16 A * 4	
Battery connection	·			
Battery voltage range [V]		85 ~ 480		
Battery charging current	max. 50 A * 2			
Battery discharging current	max. 50 A * 2			
AC connection				
No. of phases	⊠ Single-phase □ Three-phase		-phase	
Nominal output AC voltage [V]	230 (L + N + PE, 50 Hz)			
Max. output AC current [A]	33.5	38.3	43.0	
Nominal active output power [W]	7000	8000	9000	
Max. apparent output power [VA]	7700	8800	9900	
Model	KH10	KH10 KH10.5		
DC input (PV)	·	·		
Max. DC input voltage [V]		600		
Operating MPPT voltage range [V]		80 ~ 500		
Max. input DC current [A]		16 A * 4		
Battery connection	•			
Battery voltage range [V]	85 ~ 480			
Battery charging current		max. 50 A * 2		
Battery discharging current		max. 50 A * 2		
AC connection				
No. of phases	⊠ Single-phase	☐ Single-phase ☐ Three-phase		
Nominal output AC voltage [V]	43	230 (L + N + PE, 50 Hz)		
Max. output AC current [A]	45.7		47.7	
Nominal active output power [W]	10000		10500	
Max. apparent output power [VA]	10500		10500	



Annex to the Certificate No.: HC23111401001-EG-IC-C001

Operating temperature range	-25°C ~ +60°C	
Degree of protection	IP65 (according to EN 60529)	
Protection class	I (according to IEC 62109-1)	
Type of internal transformer	No internal transformer (transformerless)	
Firmware version	Master: V1.20; Slave: V1.01	
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 1	Lyns-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.C	
	(Accredited acc. ISO/IEC 17025: A2LA Accreditation no. 5200.02)	
Testing location 1	Same as above	
Measurement period	2023-11-18 ~ 2023-11-29	
Testing laboratory 2	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 2	Same as above	
Measurement period	2023-11-22 ~ 2023-11-30	