

Certificate No.: 220914BWA101-EG-IC-C002

Date of issue: 2023-04-28

CERTIFICATE OF CONFORMITY

Release No.:
1.1 (2023)

Applicant:	FOXESS CO., LTD. No.939, Jinhai Third Road, New Airport Industry Area, Longwan District, Wenzhou, Zhejiang, China
Device Type:	PV-Grid-Tied Inverter
Model(s):	R75, R100, R110
Trademark:	
Technical data:	Rated output power [kW]: 75.0 ~ 110.0 Nominal output AC voltage [V]: 3/N/PE, 220/380 V, 230/400 V, 50/60 Hz (For further details see <i>Technical data of the generating unit(s)</i> on p.2)
Software version:	Master: V1.02; Slave: V1.00
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 60068-2-14:2009 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
Certification scheme:	CMPD-01
Test report no.:	220914BWA101-EG-IC-001 (2022-11-25) 220914BWA101-EG-IC-002-R1 (2023-04-24) 220914BWA101-EG-IC-003 (2022-11-25) VTL22.09.046CE-1 (2022-11-03)

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.huachuang-ts.com/plus/list.php?tid=62> 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 2 pages (including Annex of 1 pages).



Dipl.-Ing. Weizhao Zheng
Certification Officer

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

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Technical data of the generating unit(s)

Model	R75	R100	R110
Max. Input voltage [V]	1100		
MPP input voltage range [V]	200 ~ 1000		
Rated full load MPPT voltage [V]	550 ~ 850		
Nominal operating voltage [V]	600		
Max. input DC current	9 * 26 A		10 * 26 A
Nominal output AC voltage	3/N/PE, 220/380 V, 230/400 V, 50/60 Hz		
Max. output AC current [A]	113.7* / 119.6	166.7	175.3
Nominal active output power [kW]	75.0	100.0	110.0
Max. apparent output power [kVA]	75.0* / 82.5	110.0	121.0
Note: marked * only valid in Brazil.			
Operating temperature range	-30°C ~ +60°C		
Degree of protection	IP66 (according to EN 60529)		
Protection class	I (according to IEC 62109-1)		
Type of internal transformer	No internal transformer (transformerless)		
Software version	Master: V1.02; Slave: V1.00		
Manufacturer	FOXESS CO., LTD. No.939, Jinhai Third Road, New Airport Industry Area, Longwan District, Wenzhou, Zhejiang, China		
Testing laboratory 1	Guangdong HuaChuang Technology Service Co., Ltd. Room 815, No.122, Houjie Road (West), Houjie Town, Dongguan City, Guangdong, 523960 P.R. China (Accredited acc. ISO/IEC 17025: A2LA Accreditation no. 5200.02)		
Testing location 1	Same as above		
Date(s) of performance of tests	2022-09-15 - 2022-11-14		
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 L6791 Accreditation no. L12681)		
Testing location 2	Same as above		
Date(s) of performance of tests	2022-10-10 - 2022-10-17		