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Certificate of compliance

Applicant: FOXESS CO.,LTD
No.939, Jinhai Third Road, New Airport Industry Area, Longwan District, Wenzhou, Zhejiang
China

Product: Energy Storage System

Model(s): Avocado 22 Pro-M
Avocado 22 Pro-AC

The certificate refers to the stated model(s) which passed the tests according to the applicable standard(s):

Applied rules and standards:

IEC 62040-1:2017+A1:2021; EN 62040-1:2019+A11:2021; DIN EN IEC 62040-1/A11:2021-08
Uninterruptible power systems (UPS) - Part 1: Safety requirements

At the time of issue of this certificate, the safety concept of an aforementioned representative product corresponds to the valid safety specifications for the specified use in accordance with regulations.

Report number: CGDY-ESH-P25062098

Certificate number: U25-0722

Certification Program:

Date of issue:

NSOP-0038-DEU-ZE-V02

2025-08-04

Certification body

Accreditation



Domenik Koll
Head of Energy Systems Germany



Accredited certification body by Deutsche Akkreditierungsstelle GmbH (DAKkS) according to ISO/IEC 17065. The accreditation is valid only for the scope listed in the annex of the accreditation certificate D-ZE-12024-01-00. The Deutsche Akkreditierungsstelle GmbH (DAKkS) is signatory of the multilateral arrangements of EA, ILAC and IAF for mutual recognition.

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ZERT-0012-DEU-ZE-ES-V01/TEMP-0048-DEU-ZE-ES-V01

1/2

Type Approval and declaration of compliance with the requirements of IEC 62040-1:2017+A1:2021; EN 62040-1:2019+A11:2021; DIN EN IEC 62040-1/A11:2021-08

Manufacturer / applicant	FOXESS CO.,LTD No.939, Jinhai Third Road, New Airport Industry Area, Longwan District, Wenzhou, Zhejiang China			
Product type	Energy Storage System			
Static converter model	Avocado 22 Pro-M	Avocado 22 Pro-AC	--	--
Input (DC)				
MPP voltage range [V]	10-60	--	--	--
Max. input voltage [V]	60	--	--	--
Max. input current per MPPT [A]	20/20/20/20	--	--	--
Input (DC battery)				
DC voltage range [V]	31,9-40,1	31,9-40,1	--	--
Max. charge current [A]	60	60	--	--
Max. discharge current [A]	60	60	--	--
Output (AC)				
Rated AC voltage [V]	220/230/240	220/230/240	--	--
Max. output current [A]	3,6/3,5/3,3	3,6/3,5/3,3	--	--
Rated apparent power [VA]	800	800	--	--
Firmware version	R1.001			
Description of the structure of the power generation unit:				
The power generation unit is equipped with a DC and line-side EMC filter. The power generation unit has galvanic isolation between DC input and AC output. Output switch-off is performed with single-fault tolerance based on the inverter bridge and two series-connected relays in each line and neutral. This enables a safe disconnection of the power generation unit from the network in case of error.				