

# CERTIFICATE

of conformity with UK legislation

## The Electrical Equipment (Safety) Regulations 2016

This certifies that below described products of the applicant:

### FOXESS CO., LTD.

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

comply to the essential requirements of the above mentioned European Directive and the following standards, taking into account the German national deviations:

<b>Product(s):</b>	<b>Storage Inverter</b>
<b>Model type(s):</b>	<b>AIO-H3-5.0, AIO-H3-6.0, AIO-H3-8.0, AIO-H3-10.0, AIO-AC3-5.0</b>
<b>Standard(s):</b>	<b>EN 62109-1:2010, EN 62109-2:2011, EN 62477-1:2012+A1:2017</b>

This certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT GmbH. The holder of this certificate may use this Certificate together with his UK Declaration of Conformity.

Registered no.:	44 799 22 406749 - 182
Report no.:	492012231.001 492012232.001
File no.:	PVP10017/22E-02 PVP10017/22E-03



TÜV NORD CERT GmbH  
Certification Body  
Energy Storage System

Essen, 2022-12-16

TÜV NORD CERT GmbH

Am TÜV 1, D-45307 Essen

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Please also pay attention to the information stated overleaf.

# ANNEX

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**to Certificate registration no. 44 799 22 406749 - 182**

**Description of product(s):**

Model type .....	AIO-H3-10.0		
<b>General information</b>			
Type of inverter .....	Non-isolated	Separated by .....	Transformer-less
Safety Class .....	Class I	IP grade .....	IP65
Over-voltage Category .....	DC: II, AC: III	Pollution degree .....	External:3 Internal:2
Operating temperature .....	-25°C ~60°C ( >45 derating)	Altitude .....	2000m
Weight .....	97kg	Dimension (W x H x D) .....	630*1662.5*389mm
Hardware version .....	1.6	Software version .....	1.06
<b>PV input</b>			
Vmax .....	1000V	Isc .....	32A/16A
MPP voltage range .....	160V-950V	Number of MPPT tracking .....	2
Max. input current .....	26A/14A		
<b>AC output</b>			
Rated Output Voltage .....	400V/230Vac; 380V/220Vac 3L/N/PE	Rated Output Frequency .....	50/60Hz



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Rated output power.....:	10000W	Max. apparent power.....:	11000VA
Max. output current.....:	15.9 A	Power factor .....	1 (±0.8 adjustable)
<b>AC input</b>			
Rated Output Voltage .....	400V/230Vac; 380V/220Vac 3L/N/PE	Rated Output Frequency.....:	50/60Hz
Max. apparent power .....	10000VA		
Max. output current.....:	15.9 A	Power factor .....	1 (±0.8 adjustable)
<b>EPS output</b>			
Rated Output Voltage .....	400V/230Vac; 380V/220Vac 3L/N/PE	Rated Output Frequency.....:	50/60Hz
Rated. output current .....	15.9 A	Max. apparent power.....:	15000VA
<b>Battery input</b>			
Battery Voltage range .....	180-234V	Battery type .....	Lithium-Ion
Max. Charge current .....	26A	Max. Discharge current.....:	26A



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Model type .....	AIO-H3-8.0		
<b>General information</b>			
Type of inverter .....	Non-isolated	Separated by .....	Transformer-less
Safety Class .....	Class I	IP grade .....	IP65
Over-voltage Category .....	DC: II, AC: III	Pollution degree .....	External:3 Internal:2
Operating temperature .....	-25°C ~60°C ( >45 derating)	Altitude .....	2000m
Weight .....	97kg	Dimension (W x H x D) .....	630*1662.5*389 mm
Hardware version .....	1.6	Software version .....	1.06
<b>PV input</b>			
Vmax .....	1000V	Isc .....	32A/16A
MPP voltage range .....	160V-950V	Number of MPPT tracking .....	2
Max input current .....	26A/14A		
<b>AC output</b>			
Rated Output Voltage .....	400V/230Vac; 380V/220Vac, 3L/N/PE	Rated Output Frequency .....	50/60Hz



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Rated output power.....:	8000W	Max. apparent power.....:	8800VA
Max. output current.....:	12.7A	Power factor.....:	1 (±0.8 adjustable)
<b>AC input</b>			
Rated Output Voltage.....:	400V/230Vac; 380V/220Vac 3L/N/PE	Rated Output Frequency.....:	50/60Hz
Max. apparent power.....:	8000VA		
Max. output current.....:	12.7 A	Power factor.....:	1 (±0.8 adjustable)
<b>EPS output</b>			
Rated Output Voltage.....:	400V/230Vac; 380V/220Vac 3L/N/PE	Rated Output Frequency.....:	50/60Hz
Rated. output current.....:	12.7 A	Max. apparent power.....:	12000VA
<b>Battery input</b>			
Battery Voltage range.....:	180-234V	Battery type.....:	Lithium-Ion
Max. Charge current.....:	26A	Max. Discharge current.....:	26A



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Model type .....	AIO-H3-6.0		
<b>General information</b>			
Type of inverter .....	Non-isolated	Separated by .....	Transformer-less
Safety Class .....	Class I	IP grade .....	IP65
Over-voltage Category .....	DC: II, AC: III	Pollution degree .....	External:3 Internal:2
Operating temperature .....	-25°C ~60°C ( >45 derating)	Altitude .....	2000m
Weight .....	97kg	Dimension (W x H x D) .....	630*1662.5*389 mm
Hardware version .....	1.6	Software version .....	1.06
<b>PV input</b>			
Vmax .....	1000V	Isc .....	16A/16A
MPP voltage range .....	160V-950V	Number of MPPT tracking .....	2
Max. input current .....	14A/14A		
<b>AC output</b>			
Rated Output Voltage .....	400V/230VAC; 380V/220VAC, 3L/N/PE	Rated Output Frequency .....	50/60Hz



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Rated output power.....:	6000W	Max. apparent power.....:	6600VA
Max. output current.....:	9.5A	Power factor.....:	1 (±0.8 adjustable)
<b>AC input</b>			
Rated Output Voltage.....:	400V/230Vac; 380V/220Vac 3L/N/PE	Rated Output Frequency.....:	50/60Hz
Max. apparent power.....:	6000VA		
Max. output current.....:	9.5 A	Power factor.....:	1 (±0.8 adjustable)
<b>EPS output</b>			
Rated Output Voltage.....:	400V/230Vac; 380V/220Vac 3L/N/PE	Rated Output Frequency.....:	50/60Hz
Rated. output current.....:	9.5A	Max. apparent power.....:	9000VA
<b>Battery input</b>			
Battery Voltage range.....:	180-234V	Battery type.....:	Lithium-Ion
Max. Charge current.....:	26A	Max. Discharge current.....:	26A



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Model type .....	AIO-H3-5.0		
<b>General information</b>			
Type of inverter .....	Non-isolated	Separated by .....	Transformer-less
Safety Class .....	Class I	IP grade .....	IP65
Over-voltage Category .....	DC: II, AC: III	Pollution degree .....	External:3 Internal:2
Operating temperature .....	-25°C ~60°C ( >45 derating)	Altitude .....	2000m
Weight .....	97kg	Dimension (W x H x D) .....	630*1662.5*389 mm
Hardware version .....	1.6	Software version .....	1.06
<b>PV input</b>			
Vmax .....	1000V	Isc .....	16A/16A
MPP voltage range .....	160V-950V	Number of MPPT tracking .....	2
Max input current .....	14A/14A		
<b>AC output</b>			
Rated Output Voltage .....	400V/230VAC; 380V/220VAC, 3L/N/PE	Rated Output Frequency .....	50/60Hz



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Rated output power.....:	5000W	Max. apparent power.....:	5500VA
Max. output current.....:	7.9A	Power factor .....	1 (±0.8 adjustable)
<b>AC input</b>			
Rated Output Voltage .....	400V/230Vac; 380V/220Vac 3L/N/PE	Rated Output Frequency .....	50/60Hz
Max. apparent power .....	5000VA		
Max. output current.....:	7.9A	Power factor .....	1 (±0.8 adjustable)
<b>EPS output</b>			
Rated Output Voltage .....	400V/230Vac; 380V/220Vac 3L/N/PE	Rated Output Frequency .....	50/60Hz
Rated. output current .....	7.9A	Max. apparent power .....	7500VA
<b>Battery input</b>			
Battery Voltage range .....	180-234V	Battery type.....	Lithium-Ion
Max. Charge current .....	26A	Max. Discharge current.....	26A



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Model type .....	AIO-AC3-5.0		
<b>General information</b>			
Type of inverter .....	Non-isolated	Separated by .....	Transformer-less
Safety Class .....	Class I	IP grade .....	IP65
Over-voltage Category .....	DC: II, AC: III	Pollution degree .....	External:3 Internal:2
Operating temperature .....	-25°C ~60°C ( >45 derating)	Altitude .....	2000m
Weight.....	97kg	Dimension (W x H x D) .....	630*1662.5*389 mm
Hardware version.....	1.6	Software version .....	1.06
<b>AC output</b>			
Rated Output Voltage .....	400V/230VAC; 380V/220VAC, 3L/N/PE	Rated Output Frequency .....	50Hz/60Hz
Rated output power.....	5000W	Max. apparent power.....	5500VA
Max. output current .....	7.9A	Power factor .....	1 (±0.8 adjustable)
<b>AC input</b>			
Rated Output Voltage .....	400V/230Vac;	Rated Output Frequency .....	50/60Hz



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	380V/220Vac 3L/N/PE		
Max. apparent power .....	5000VA		
Max. output current .....	7.9A	Power factor .....	1 (±0.8 adjustable)
<b>EPS output</b>			
Rated Output Voltage .....	400V/230Vac; 380V/220Vac 3L/N/PE	Rated Output Frequency .....	50/60Hz
Rated. output current .....	7.9A	Max. apparent power .....	7500VA
<b>Battery input</b>			
Battery Voltage range .....	180-234V	Battery type.....	Lithium-Ion
Max. Charge current .....	26A	Max. Discharge current.....	26A

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 1 of test report.



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