

14 January 2025

Foxess Co., Ltd.
No. 939, Jinhai Third Road, New Airport Industry Area
Longwan District, Wenzhou, Zhejiang, China, Zhejiang, Jiangsu 325000
CHINA

Attention: Wang Harvey, TÜV NORD (Hangzhou) Co. Ltd.

CERTIFICATION OF ELECTRICAL EQUIPMENT

It is our pleasure to issue you with the enclosed Certificate of Suitability EESS-241027-0.

Please check and ensure the details are correct in accordance with your application.

It was identified that the applied equipment was categorised as in-scope level 1 equipment, as defined in AS/NZS 4417.2. The ERAC Equipment Safety Rules do not require these certification details to be included to the EESS National Database for this category of equipment. This does not negate any requirements for responsible supplier or EESS equipment declarations/registrations on the eess.gov.au website. Due to this, certificate details can be found on the JAS-ANZ online [certificate register](#) and EESS Conformity Certification will not upload the certificate details to the New EESS Platform database.

We remind you that the Regulatory Compliance Mark (RCM) must be used in accordance with its conditions of use as set out in the latest edition of [AS/NZS 4417.1](#).

This certification is based on type testing, modification to the certified product in any way must be notified to EESS Conformity Certification for endorsement. Details of the modification must be advised by completing and submitting the application via our Online Application System (OAS) with your login credentials.

Any change to the name or address of the certificate holder must be notified to EESS Conformity Certification within one calendar month. Changes may be advised by completing and submitting the application via our Online Application System (OAS) with your login credentials.

An application for the transfer of Certificate from the existing Certificate Holder to another/new Certificate Holder may be made to EESS Conformity Certification by completing and submitting the application via our Online Application System (OAS) with your login credentials.

Finally, please use the QR code below to take our two-minute survey and comment on our service.

Should you have any further queries, please contact us.

Yours sincerely,


Lloyd Knipe
Managing Director

Conformity Certification Services Pty Ltd
trading as EESS Conformity Certification



We'd love to know what you thought of our service. Please scan to fill in a brief survey or visit www.eessconformity.com



Certificate No.: EESS-241027-0

CERTIFICATE OF SUITABILITY

Certificate Holder: Foxess Co., Ltd.
No. 939, Jinhai Third Road, New Airport Industry Area
Longwan District, Wenzhou, Zhejiang, China, Zhejiang, Jiangsu 325000
CHINA

Regulatory Definition: Non-Declared
Product Type: Storage Inverter
Trade Name(s): Fox
Model No(s): H3-15.0-Smart, H3-12.0-Smart, H3-10.0-Smart, H3-9.9-Smart, H3-8.0-Smart,
H3-6.0-Smart, H3-5.0-Smart, AC3-15.0-Smart, AC3-12.0-Smart, AC3-10.0-Smart,
AC3-9.9-Smart, AC3-8.0-Smart, AC3-6.0-Smart, AC3-5.0-Smart

Ratings: *Refer to Certificate Addendum for specific ratings*

Standard(s): IEC 62109-1:2010 – (reference Test Report BL-DG2470752-201 issued 08/08/24)
IEC 62109-2:2011 – (reference Test Report BL-DG2470752-201 A1 issued 08/08/24)
AS/NZS 4777.2:2020 +A1 – (reference Test Report RDPVP08064/24E/01 issued 28/11/24)

Condition(s): To be installed by Licensed Electrician in accordance with the AS/NZS Wiring Rules, CEC Guidelines, and the Manufacturer's Installation Manual.

Authorised Marking: The Regulatory Compliance Mark (RCM) in accordance with its conditions of use as set out in the latest edition of AS/NZS 4417.1.

Date of Issue: 14 January 2025

Valid Until: 14 January 2030

This certificate is issued by Conformity Certification Services Pty Ltd (CCS) in accordance with the CCS Electrical Product Safety Certification Scheme (EPSC-CCS) as accredited by JAS-ANZ under ISO/IEC 17065. CCS certifies that the Electrical Equipment as described on this certificate complies with the minimum essential safety requirements for which the application has been made. This certificate is not issued under the regulator's recognition for RECS. Certification is based on type testing and within our terms and conditions.

For and on behalf of
Conformity Certification Services Pty Ltd
trading as EESS Conformity Certification



Certificate No.: EESS-241027-0

CERTIFICATE ADDENDUM

RATINGS

PV Input: 1000Vdc max MPPT range: 120-950Vdc 20Ax3 max OVC II

AC Input: 3L/N/PE 220/380V 3L/N/PE 230/400V 50/60Hz 9.1-24.2A max 6000-16000VA OVC III

AC Output: 3L/N/PE 220/380V 3L/N/PE 230/400V 50/60Hz 7.6-22.7A

Rated apparent output power: 5000-15000VA OVC III

Battery: Li-ion 100-800Vdc Max. Charge / discharge current : 50/50A OVC II

Class I IP65 ta: 60°C max (derating by 45°C)

Software Version: V1.02 Hardware Version: V1.6

Model or Type designation	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
PV input parameters:							
Max. PV array power [W]	11000	14000	18000	20000	20000	24000	30000
Max. Input power [W]	11000	13200	17600	18000	18000	22500	22500
Vmax PV [Vd.c.]	1000						
MPPT voltage range [Vd.c.]	120~950						
Nominal voltage [Vd.c.]	620						
Max. input current [Ad.c.]	20/20/20						
Isc PV [Ad.c.]	25/25/25						
Battery parameters:							
Battery type	Lithium-Ion						

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Model or Type designation	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
Battery Voltage Range [Vd.c.]	100-800						
Max. charge/discharge current [Ad.c.]	50/50						
AC Input parameters:							
Rated Voltage [Va.c.]	220/380, 230/400, 3L/N/PE						
Rated Frequency [Hz]	50/60						
Max. input current [Aa.c.]	9.1	10.9	14.5	18.2	18.2	21.8	24.2
Max. apparent power [VA]	6000	7200	9600	12000	12000	14400	16000
Power Factor cosφ [λ]	0.8 leading to 0.8 lagging						
AC output (Grid Side) parameters:							
Rated Voltage [Va.c.]	220/380, 230/400, 3L/N/PE						
Rated Frequency [Hz]	50/60						
Rated output current [Aa.c.]	7.6	9.1	12.1	15.0	15.2	18.2	22.7
Max. output current [Aa.c.]	8.3	10.0	13.3	15.0	16.7	20.0	25.0
Rated power [W]	5000	6000	8000	9900	10000	12000	15000
Rated apparent power [VA]	5000	6000	8000	9900	10000	12000	15000
Max. apparent power [VA]	5500	6600	8800	9900	11000	13200	16500

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Power Factor cosφ [λ]	0.8 leading to 0.8 lagging						
AC Load output (stand alone) parameters:							
Rated Voltage [Va.c.]	220/380, 230/400, 3L/N/PE						
Rated Frequency [Hz]	50/60						
Max. output current [Aa.c.]	7.2	8.7	11.6	14.5	14.5	17.4	21.7
Max. apparent power [VA]	5000	6000	8000	10000	10000	12000	15000
Power Factor cosφ [λ]	0.8 leading to 0.8 lagging						
System							
Type of converter	Non-isolated						
Protective Class	Class I						
Dimensions W*D*H [mm]	596*450*223						
Weight [kg]	33.5						
Enclosure Protection (IP)	IP65						
Operating Temperature Range [°C]	-25 ~ 60 (derating by 45)						
Overvoltage-Category	DC (PV, BAT) II, AC (Main) III						
Max. Operating Altitude [m]	2000						

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CERTIFICATE ADDENDUM

Model or Type designation	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
Battery parameters:							
Battery type	Lithium-Ion						
Battery Voltage Range [Vd.c.]	100-800						
Max. charge/discharge current [Ad.c.]	50/50						
AC Input parameters:							
Rated Voltage [Va.c.]	220/380, 230/400, 3L/N/PE						
Rated Frequency [Hz]	50/60						
Max. input current [Aa.c.]	9.1	10.9	14.5	18.2	18.2	21.8	24.2
Max. apparent power [VA]	6000	7200	9600	12000	12000	14400	16000
Power Factor cosφ [λ]	0.8 leading to 0.8 lagging						
AC output (Grid Side) parameters:							
Rated Voltage [Va.c.]	220/380, 230/400, 3L/N/PE						
Rated Frequency [Hz]	50/60						
Rated output current [Aa.c.]	7.6	9.1	12.1	15.0	15.2	18.2	22.7
Max. output current [Aa.c.]	8.3	10.0	13.3	15.0	16.7	20.0	25.0
Rated power [W]	5000	6000	8000	9900	10000	12000	15000
Rated apparent power [VA]	5000	6000	8000	9900	10000	12000	15000

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Max. apparent power [VA]	5500	6600	8800	9900	11000	13200	16500
Power Factor cosφ [λ]	0.8 leading to 0.8 lagging						
AC Load output (stand alone) parameters:							
Rated Voltage [Va.c.]	220/380, 230/400, 3L/N/PE						
Rated Frequency [Hz]	50/60						
Max. output current [Aa.c.]	7.2	8.7	11.6	14.5	14.5	17.4	21.7
Max. apparent power [VA]	5000	6000	8000	10000	10000	12000	15000
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