

CERTIFICATE

of conformity

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 following standards:

Product(s):	Storage Inverter
Model type(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

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 document may use it in connection with the related test report(s)

Certification program:	P31-VA-01 Rev. 02 / 04.20
Certification fundamental(s):	EN 62109-1:2010; EN 62109-2:2011 EN 62477-1:2012+A1:2017 EN 62477-1:2012+A12:2021
Registered no.:	44 799 24 406749 - 281
Report no.:	492013342.001, 492013343.001
File no.:	PVP05068/24E-01, PVP05068/24E-02



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Energy Storage System

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Description of product(s):

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						
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:							



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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
Power Factor $\cos\phi$ [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 $\cos\phi$ [λ]	0.8 leading to 0.8 lagging						
System							
Type of converter	Non-isolated						
Protective Class	Class I						
Enclosure Protection (IP)	IP65						
Operating Temperature Range [°C]	-25 ~ 60 (derating by 45)						
Oversvoltage-Category	DC (PV, BAT) II, AC (Main) III						
Max. Operating Altitude [m]	2000						



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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 $\cos\phi$ [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
Power Factor $\cos\phi$ [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						



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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 $\cos\phi$ [λ]	0.8 leading to 0.8 lagging						
System							
Type of converter	Non-isolated						
Protective Class	Class I						
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						
Firmware	V1.02						

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 4 of test report.



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