

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, P3-15.0-SH, P3-12.0-SH, P3-10.0-SH, P3-10.0-SH1, P3-8.0-SH, P3-6.0-SH, P3-5.0-SH, P3-15.0-SA, P3-12.0-SA, P3-10.0-SA, P3-10.0-SA1, P3-8.0-SA, P3-6.0-SA, P3-5.0-SA, H3-15.0-M, H3-12.0-M, H3-10.0-M, H3-8.0-M, H3-6.0-M, H3-5.0-M

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. 03 / 02.25
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 25 406749 - 234
Report no.:	492013342.004
File no.:	PVP07124/25E-001



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Model or Type designation	H3-5.0-Smart	H3-6.0-Smart	H3-8.0-Smart, P3-8.0-SH	H3-9.9-Smart, P3-10.0-SH1	H3-10.0-Smart, P3-10.0-SH	H3-12.0-Smart, P3-12.0-SH	H3-15.0-Smart, P3-15.0-SH
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)						
Overvoltage-Category	DC (PV, BAT) II, AC (Main) III						
Max. Operating Altitude [m]	2000						
Software version	V1.02						



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Model or Type designation	AC3-5.0-Smart, P3-5.0-SA	AC3-6.0-Smart, P3-6.0-SA	AC3-8.0-Smart, P3-8.0-SA	AC3-9.9-Smart, P3-10.0-SA1	AC3-10.0-Smart, P3-10.0-SA	AC3-12.0-Smart, P3-12.0-SA	AC3-15.0-Smart, P3-15.0-SA
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						



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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)						
Overvoltage-Category	DC (PV, BAT) II, AC (Main) III						
Max. Operating Altitude [m]	2000						
Software version	V1.02						

Model or Type designation	H3-5.0-M, P3-5.0-SH	H3-6.0-M, P3-6.0-SH	H3-8.0-M	H3-10.0-M	H3-12.0-M	H3-15.0-M
PV input parameters:						
Max. PV array power [W]	11000	14000	18000	20000	20000	20000
Max. Input power [W]	11000	13200	17600	18000	20000	20000
Vmax PV [Vd.c.]	1000					
MPPT voltage range [Vd.c.]	120~950					



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Nominal voltage [Vd.c.]	620					
Max. input current [Ad.c.]	20/20					
Isc PV [Ad.c.]	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	21.8	24.2
Max. apparent power [VA]	6000	7200	9600	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	15.2	18.2	22.7
Max. output current [Aa.c.]	8.3	10.0	13.3	16.7	20.0	25.0
Rated power [W]	5000	6000	8000	10000	12000	15000
Rated apparent power [VA]	5000	6000	8000	10000	12000	15000
Max. apparent power [VA]	5500	6600	8800	11000	13200	16500
Power Factor $\cos\phi$ [λ]	0.8 leading to 0.8 lagging					
AC Load output (stand alone) parameters:						



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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	17.4	21.7
Max. apparent power [VA]	5000	6000	8000	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					
Software version	V1.02					

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in the associated report.



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