

Certificate of Conformity

Registered No.:

COCPVP07150/24E-02

File reference
PVP07150/24E-02

Test report No.
TRPVP07150/24E/02

Date of issue
2024-11-20

On the basis of the tests undertaken, the samples of the below product(s) have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out:

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

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

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

Product: Storage Inverter
H1-6.0-E, H1-5.0-E, H1-4.6-E, H1-3.7-E, H1-3.0-E
AC1-3.0-E-G2, AC1-3.7-E-G2, AC1-4.6-E-G2, AC1-5.0-E-G2,
AC1-6.0-E-G2, AC1-4.6-E1-G2, AC1-5.0-E1-G2, H1-3.0-E-G2,
H1-3.7-E-G2, H1-4.6-E-G2, H1-5.0-E-G2, H1-6.0-E-G2, H1-4.6-E1-G2,
Type designation: H1-5.0-E1-G2, AC1-3.0-E-G2-WL, AC1-3.7-E-G2-WL, AC1-4.6-E-G2-
WL, AC1-5.0-E-G2-WL, AC1-6.0-E-G2-WL, AC1-4.6-E1-G2-WL,
AC1-5.0-E1-G2-WL, AC1-6.0-E1-G2-WL, H1-3.0-E-G2-WL,
H1-3.7-E-G2-WL, H1-4.6-E-G2-WL, H1-5.0-E-G2-WL, H1-6.0-E-G2-WL,
H1-4.6-E1-G2-WL, H1-5.0-E1-G2-WL, H1-6.0-E1-G2-WL

Type of equipment: Interface device
 Interface protection
 Static conversion device
 Rotary generation device

Remark: The device is for plants of each power.



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Certification program: BOS-P-01 Rev. 00

Certification fundamental(s): CEI 0-21:2022-03, CEI 0-21; V1:2022-11,
CEI 0-21; V2:2024-01, CEI 0-21;V2/EC:2024-03
See test report for detailed information.

Certification body: **TÜV NORD (HANGZHOU) CO., LTD.**
Room B409, Building 1, No. 9, Jiujuan Road, Shangcheng District,
Hangzhou City, Zhejiang Province, 310019, P.R. China
Accredited by CNAS according to ISO/IEC 17065:2012, certificate no.
CNAS C183-P.

Testing laboratory: **Dongguan BALUN Testing Technology Co., Ltd.**
Room 104/204/205, Building 1, No. 6, Industrial South Road, Songshan
Lake District, Dongguan, Guangdong, China
Accredited by CNAS according to ISO/IEC 17025:2017, certificate no.
CNAS L14701

Conclusion: After verifying following documents, it is concluded that the product is in
compliance with the requirements of CEI 0-21: 2022-03, CEI 0-21;
V1:2022-11, CEI 0-21; V2:2024-01, CEI 0-21; V2/EC:2024-03.
 ISO 9001 certificate:
Certificate no. 201838, issued by DCI Certification Ltd
 Test report of CEI 0-21:2022-03, CEI 0-21;V1:2022-11,
CEI 0-21;V2:2024-01, CEI 0-21;V2/EC:2024-03
Report no. BL-DG24B0055-201, issued by Dongguan BALUN Testing
Technology Co., Ltd., accredited by CNAS according to ISO/IEC
17025:2017, certificate no. CNAS L14701

This document is based on the evaluation of the samples of the above mentioned product(s). It does not imply an assessment of the mass-production of the product(s), and it does not permit the use of a TÜV NORD mark. The holder of this document may use it in connection with the related test report(s).



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Version 1.0

Description of product(s):

Model types:	H1-3.0-E	H1-3.7-E	H1-4.6-E	H1-5.0-E	H1-6.0-E
General information					
Software version:	V1.09				
PV input					
Vmax PV [V d.c.]	600				
Mpp voltage range [V d.c.]..:	80V-550V				
Isc PV [A d.c.]	2*15A				
Max. input current [A d.c.]..:	2*13.5A				
Overvoltage category (OVC)	II				
AC output (Grid Side) parameters					
Rated output voltage [V a.c.]	220/230/240				
Rated output frequency [Hz]	50/60				
Rated output power [W]	3000	3680	4600	5000	6000
Max. apparent power [VA]:	3300	4048	5060	5500	6600
Max. output current [A a.c.]:	14.4	17.6	22	23.9	28.7
Power factor $\cos\phi$ [λ].....:	1 default (adjustable +/-0.8)				
Overvoltage category (OVC).....:	III				
Battery parameters					
Battery Type:	Lithium-Ion				
Voltage range[V d.c.]:	85-450				
Max. Charge Current [Ad.c.]:	40				
Max. Discharge Current [Ad.c.]:	40				
AC output (Back-up) parameters:					



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Rated output voltage [V a.c.]:	220/230/240				
Rated output frequency [Hz]:	50/60				
Max. apparent power [W]:	5000	5000	6000	6000	6000
Max. output current [A a.c.]:	21.7	21.7	26.1	26.1	26.1

Model types:	H1-3.0-E-G2	H1-3.7-E-G2	H1-4.6-E-G2	H1-5.0-E-G2	H1-6.0-E-G2	H1-4.6-E1-G2	H1-5.0-E1-G2
General information							
Software version:	V1.09						
PV input							
Vmax PV [V d.c.]	600						
Mpp voltage range [V d.c.]..:	80V-550V						
Isc PV [A d.c.]	2*20A						
Max. input current [A d.c.]..:	2*16A						
Overvoltage category (OVC)	II						
AC output (Grid Side) parameters							
Rated output voltage [V a.c.]	220/230/240						
Rated output frequency [Hz]	50/60						
Rated output power [W]	3000	3680	4600	5000	6000	4600	5000
Max. apparent power [VA]:	3300	4048	5060	5500	6600	4600	5000
Max. output current [A a.c.]:	15.0	18.4	23.0	25.0	30.0	20.9	22.7
Power factor cosφ [λ].....:	1 default (adjustable +/-0.8)						
Overvoltage category (OVC).....:	III						
Battery parameters							
Battery Type:	Lithium-Ion						



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Voltage range[V d.c.]:	80-480						
Max. Charge Current [Ad.c.]:	40						
Max. Discharge Current [Ad.c.]:	40						
AC output (Back-up) parameters:							
Rated output voltage [V a.c.]:	220/230/240						
Rated output frequency [Hz]:	50/60						
Max. apparent power [W]:	3000	3680	4600	5000	6000	4600	5000
Max. output current [A a.c.]:	13.6	16.7	20.9	22.7	27.3	20.9	22.7

Model types:	H1-3.0-E-G2-WL	H1-3.7-E-G2-WL	H1-4.6-E-G2-WL	H1-5.0-E-G2-WL
General information				
Software version:	V1.09			
PV input				
Vmax PV [V d.c.]	600			
Mpp voltage range [V d.c.]..:	80V-550V			
Isc PV [A d.c.]	2*20A			
Max. input current [A d.c.]..:	2*16A			
Overvoltage category (OVC)	II			
AC output (Grid Side) parameters				
Rated output voltage [V a.c.]	220/230/240			
Rated output frequency [Hz]	50/60			
Rated output power [W]	3000	3680	4600	5000
Max. apparent power [VA]:	3300	4048	5060	5500



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Max. output current [A a.c.]:	15.0	18.4	23.0	25.0
Power factor $\cos\phi$ [λ].....:	1 default (adjustable +/-0.8)			
Overvoltage category (OVC).....:	III			
Battery parameters				
Battery Type:	Lithium-Ion			
Voltage range[V d.c.]:	80-480			
Max. Charge Current [Ad.c.]:	40			
Max. Discharge Current [Ad.c.]:	40			
AC output (Back-up) parameters:				
Rated output voltage [V a.c.]:	220/230/240			
Rated output frequency [Hz]:	50/60			
Max. apparent power [W]:	3000	3680	4600	5000
Max. output current [A a.c.]:	13.6	16.7	20.9	22.7

Model types:	H1-6.0-E-G2-WL	H1-4.6-E1-G2-WL	H1-5.0-E1-G2-WL	H1-6.0-E1-G2-WL
General information				
Software version:	V1.09			
PV input				
Vmax PV [V d.c.]	600			
Mpp voltage range [V d.c.]..:	80V-550V			
Isc PV [A d.c.]	2*20A			
Max. input current [A d.c.]..:	2*16A			
Overvoltage category (OVC)	II			
AC output (Grid Side) parameters				



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Rated output voltage [V a.c.]	220/230/240			
Rated output frequency [Hz]	50/60			
Rated output power [W]	6000	4600	5000	6000
Max. apparent power [VA]:	6600	4600	5000	6000
Max. output current [A a.c.]:	30.0	20.9	22.7	27.3
Power factor cosφ [λ].....:	1 default (adjustable +/-0.8)			
Overvoltage category (OVC).....:	III			
Battery parameters				
Battery Type:	Lithium-Ion			
Voltage range[V d.c.]:	80-480			
Max. Charge Current [Ad.c.]:	40			
Max. Discharge Current [Ad.c.]:	40			
AC output (Back-up) parameters:				
Rated output voltage [V a.c.]:	220/230/240			
Rated output frequency [Hz]:	50/60			
Max. apparent power [W]:	6000	4600	5000	6000
Max. output current [A a.c.]:	27.3	20.9	22.7	27.3

Model types:	AC1-3.0-E-G2	AC1-3.7-E-G2	AC1-4.6-E-G2	AC1-5.0-E-G2	AC1-6.0-E-G2	AC1-4.6-E1-G2	AC1-5.0-E1-G2
General information							
Software version:	V1.09						
AC output (Grid Side) parameters							

Rated output voltage [V a.c.]	220/230/240							
Rated output frequency [Hz]	50/60							
Rated output power [W]	3000	3680	4600	5000	6000	4600	5000	
Max. apparent power [VA]:	3300	4048	5060	5500	6600	4600	5000	
Max. output current [A a.c.]:	15.0	18.4	23.0	25.0	30.0	20.9	22.7	
Power factor cosφ [λ].....:	1 default (adjustable +/-0.8)							
Overvoltage category (OVC).....:	III							
Battery parameters								
Battery Type:	Lithium-Ion							
Voltage range[V d.c.]:	80-480							
Max. Charge Current [Ad.c.]:	40							
Max. Discharge Current [Ad.c.]:	40							
AC output (Back-up) parameters:								
Rated output voltage [V a.c.]:	220/230/240							
Rated output frequency [Hz]:	50/60							
Max. apparent power [W]:	3000	3680	4600	5000	6000	4600	5000	
Max. output current [A a.c.]:	13.6	16.7	20.9	22.7	27.3	20.9	22.7	

Model types:	AC1-3.0-E-G2-WL	AC1-3.7-E-G2-WL	AC1-4.6-E-G2-WL	AC1-5.0-E-G2-WL
General information				
Software version:	V1.09			
AC output (Grid Side) parameters				
Rated output voltage [V a.c.]	220/230/240			



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Rated output frequency [Hz]	50/60			
Rated output power [W]	3000	3680	4600	5000
Max. apparent power [VA]:	3300	4048	5060	5500
Max. output current [A a.c.]:	15.0	18.4	23.0	25.0
Power factor cosφ [λ].....:	1 default (adjustable +/-0.8)			
Overvoltage category (OVC).....:	III			
Battery parameters				
Battery Type:	Lithium-Ion			
Voltage range[V d.c.]:	80-480			
Max. Charge Current [Ad.c.]:	40			
Max. Discharge Current [Ad.c.]:	40			
AC output (Back-up) parameters:				
Rated output voltage [V a.c.]:	220/230/240			
Rated output frequency [Hz]:	50/60			
Max. apparent power [W]:	3000	3680	4600	5000
Max. output current [A a.c.]:	13.6	16.7	20.9	22.7

Model types:	AC1-6.0-E-G2-WL	AC1-4.6-E1-G2-WL	AC1-5.0-E1-G2-WL	AC1-6.0-E1-G2-WL
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General information

Software version:	V1.09
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AC output (Grid Side) parameters

Rated output voltage [V a.c.]	220/230/240
Rated output frequency [Hz]	50/60



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Rated output power [W]	6000	4600	5000	6000
Max. apparent power [VA]:	6600	4600	5000	6000
Max. output current [A a.c.]:	30.0	20.9	22.7	27.3
Power factor cosφ [λ].....:	1 default (adjustable +/-0.8)			
Overvoltage category (OVC).....:	III			
Battery parameters				
Battery Type:	Lithium-Ion			
Voltage range[V d.c.]:	80-480			
Max. Charge Current [Ad.c.]:	40			
Max. Discharge Current [Ad.c.]:	40			
AC output (Back-up) parameters:				
Rated output voltage [V a.c.]:	220/230/240			
Rated output frequency [Hz]:	50/60			
Max. apparent power [W]:	6000	4600	5000	6000
Max. output current [A a.c.]:	27.3	20.9	22.7	27.3

Remark: The inverters listed above may be installed with the following batteries:

Manufacturer	SOLARWATT GmbH		
Accumulator Model / Battery Model	Battery vision two 1.0	Battery vision three 1.0	Battery vision four 1.0
Nominal energy (kWh)	5.18	7.78	10.37
Nominal voltage (Vdc)	115.2	172.8	230.4
Accumulator Model / Battery Model	Battery vision five 1.0	Battery vision six 1.0	Battery vision seven 1.0
Nominal energy (kWh)	12.96	15.55	18.14
Nominal voltage (Vdc)	288.0	345.6	403.2
BCU	Software version: R1.016 Hardware version: V1.3		



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BMU	Software version: R 1.12 Hardware version: V1.0
IVU	Software version: R1.00 Hardware version: V1.3
Note: The batteries are not integrated into the inverter and must be installed according to the local regulations.	



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