Certificate of Conformity

Product Certificate Number	21514-CER
Applicant	FOXESS CO., LTD. Room A203, Building C, No 205, Binghai Six Road, New Airport Industry Area, Longwan District, Wenzhou, Zhejiang Province, China
Series	AIO-H3/ AIO- AC3
Models/	AIO-H3-5.0 AIO-H3-6.0 AIO-H3-8.0 AIO-H3-10.0 AIO-AC3-5.0
Type of generating unit	Three-phase energy storage all-in-one machine
Technical Data	See pages 2, 3 and 4.
Software version	V1.06
Network connection code	**COMMISSION REGULATION (EU) 2016/631** of 14 April 2016 establishing a network code on requirements for grid connection of generators. Type A.

Having assessed the report number: 21514-TR performed by CERE (Accredited Laboratory No. 1376/LE2560) based on the requirements of the EN ISO/IEC 17025: 2017.

The above-mentioned generating unit complies with the requirements of the:

COMMISSION REGULATION (EU) 2016/631 of 14 April 2016 establishing a network code on requirements for grid connection of generators. Type A . (Parametes are defined into: DRE.WOSE.7128.550.2.2018.ZJ: 01/2019. and Warunki i procedury wykorzystania certyfikatów w procesie przyłączenia modułów wytwarzania energii do sieci elektroenergetycznych. Version 1.2. PTPiREE. 28.04.2021).

This certification is according the CERE internal process PET-CERE-30 Rev 3, that defines the certification scheme, based on the requirements of the EN ISO/IEC 17065:2012. For this certification process the conformity assessment activities were based on:

- Testing of production samples selected by CERE.
- Audit of quality system according ISO 9001 with certificate number: 201838 issued by a certification body accredited according EN ISO/IEC 17021.
- Inspection of the manufacturing process.

Madrid, July 22, 2022. This certificate is valid until July 22, 2027

Miguel Martínez Lavin
Certification Director

Technical data

Model	AIO-H3-5.0	AIO-H3-6.0	AIO-H3-8.0	AIO-H3-10.0
PV Input (DC)				
Nominal Voltage	720 Vdc	720 Vdc	720 Vdc	720 Vdc
Maximum Voltage	1000 Vdc	1000 Vdc	1000 Vdc	1000 Vdc
Maximum Current	14Adc/14Adc (PV1+PV2/ PV3)	14Adc/14Adc (PV1+PV2/ PV3)	26Adc/14Adc (PV1+PV2/ PV3)	26Adc/14Adc (PV1+PV2/ PV3)
Power	3000W/ 3000W (PV1+PV2/ PV3)	3000W/ 3000W (PV1+PV2/ PV3)	6000W/ 4000W (PV1+PV2/ PV3)	8000W/ 5000W (PV1+PV2/ PV3)
Battery Input (DC)				
Voltage Range	180Vdc-234Vdc	180Vdc-234Vdc	180Vdc-234Vdc	180Vdc-234Vdc
Nominal Current	26Adc	26Adc	26Adc	26Adc
Maximum Current	26Adc	26Adc	26Adc	26Adc
AC Input				
Connection type	3L/N/PE	3L/N/PE	3L/N/PE	3L/N/PE
Voltage Range	400/230Vac, 380/220Vac	400/230Vac, 380/220Vac	400/230Vac, 380/220Vac	400/230Vac, 380/220Vac
Nominal Current	7,2 Aac	8,7 Aac	11,6 Aac (*)	14,5 Aac
Maximum Current	7,9 Aac	9,5 Aac	12,7 Aac (*)	15,9 Aac
Frequency	50 Hz	50 Hz	50 Hz (*)	50 Hz
Nominal Power	5000 VA	6000 VA	8000 VA (*)	10000 VA
Maximum Power	5500 VA	6600 VA	8800 VA (*)	11000 VA
Power Factor	PF=0,8 (leading-lagging)	PF=0,8 (leading-lagging)	PF=0,8 (leading-lagging)	PF=0,8 (leading-lagging)
AC Output				
Connection type	3L/N/PE	3L/N/PE	3L/N/PE	3L/N/PE
Voltage Range	400/230Vac, 380/220Vac	400/230Vac, 380/220Vac	400/230Vac, 380/220Vac	400/230Vac, 380/220Vac
Nominal Current	7,2 Aac	8,7 Aac	11,6 Aac (*)	14,5 Aac
Maximum Current	7,9 Aac	9,5 Aac	12,7 Aac (*)	15,9 Aac
Frequency	50 Hz	50 Hz	50 Hz (*)	50 Hz
Nominal Power	5000 VA	6000 VA	8000 VA (*)	10000 VA
Maximum Power	5500 VA	6600 VA	8800 VA (*)	11000 VA
Power Factor	PF=0,8 (leading-lagging)	PF=0,8 (leading-lagging)	PF=0,8 (leading-lagging)	PF=0,8 (leading-lagging)
EPS Output (with battery) (AC)				
Connection type	3L/N/PE	3L/N/PE	3L/N/PE	3L/N/PE
Voltage Range	400/230Vac, 380/220Vac	400/230Vac, 380/220Vac	400/230Vac, 380/220Vac	400/230Vac, 380/220Vac
Nominal Current	7,9 Aac	9,5 Aac	12,7Aac	15,9 Aac
Frequency	50 Hz	50 Hz	50 Hz	50 Hz
Nominal Power	5000 VA	6000 VA	8000 VA	10000 VA
Maximum Power	7500 VA (**)	9000 VA (**)	12000 VA (**)	15000 VA (**)

(*) Information verified through testing
(**) Only 60 s

Certificate of Conformity

Model	AIO-H3-5.0	AIO-H3-6.0	AIO-H3-8.0	AIO-H3-10.0
General Characteristics				
Inverter operating temperature range [°C]	-25…... +60 (derating at +45°C)	-25…... +60 (derating at +45°C)	-25…... +60 (derating at +45°C)	-25…... +60 (derating at +45°C)
Battery operating temperature range [°C]	-10…… +50	-10…… +50	-10…… +50	-10…… +50
Storage/Operation relative humidity	0%-95% (without condensation)	0%-95% (without condensation)	0%-95% (without condensation)	0%-95% (without condensation)
Storage temperature [°C]	-40…… +70	-40…… +70	-40…… +70	-40…… +70

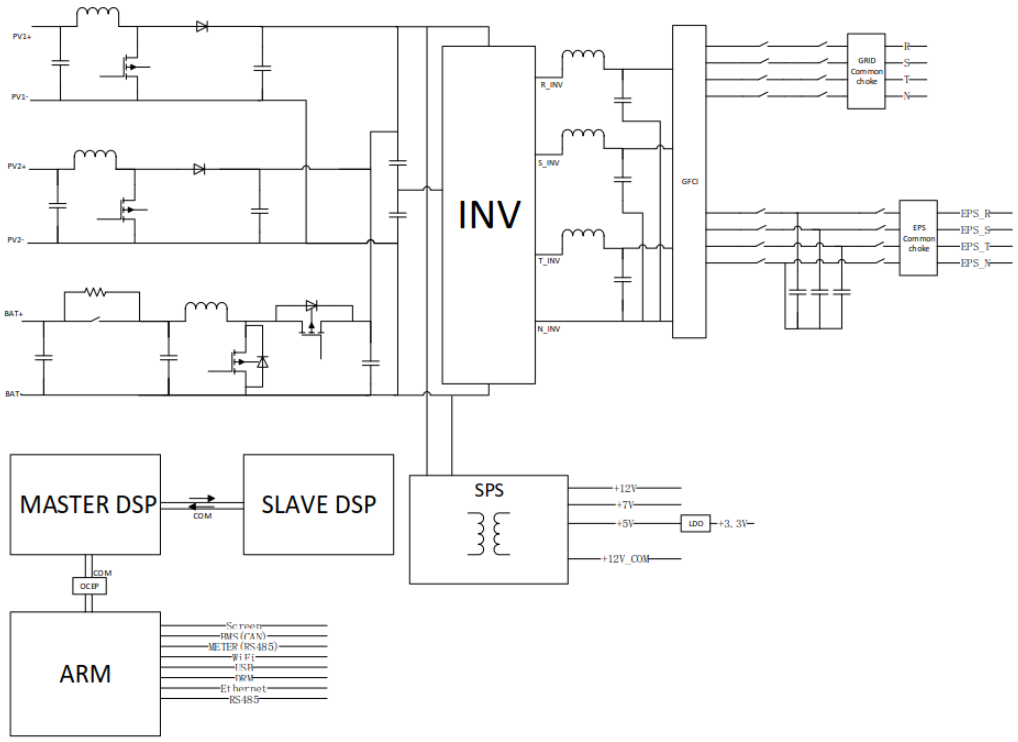
Certificate of Conformity

Model	AIO-AC3-5.0
Battery Input (DC)	
Voltage Range	180Vdc-234Vdc
Nominal Current	26Adc
Maximum Current	26Adc
AC Input	
Connection type	3L/N/PE
Voltage Range	400/230Vac, 380/220Vac
Nominal Current	7,2 Aac
Maximum Current	7,9 Aac
Frequency	50 Hz
Nominal Power	5000 VA
Maximum Power	5500 VA
Power Factor	PF=0,8 (leading-lagging)
AC Output	
Connection type	3L/N/PE
Voltage Range	400/230Vac, 380/220Vac
Nominal Current	7,2 Aac
Maximum Current	7,9 Aac
Frequency	50 Hz
Nominal Power	5000 VA
Maximum Power	5500 VA
Power Factor	PF=0,8 (leading-lagging)
EPS Output (with battery) (AC)	
Connection type	3L/N/PE
Voltage Range	400/230Vac, 380/220Vac
Nominal Current	7,9 Aac
Frequency	50 Hz
Nominal Power	5000 VA
Maximum Power	7500 VA (**)
General Characteristics	
Inverter operating temperature range [°C]	-25….. +60 (derating at +45°C)
Battery operating temperature range [°C]	-10…… +50
Storage/Operation relative humidity	0%-95% (without condensation)
Storage temperature [°C]	-40…… +70

(**) Only 60 s

Certificate of Conformity

Electrical Diagram of the system



The sample selected to test was representative of the production.
The sample was selected in:

FOXESS CO.,LTD

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

325025, Wenzhou, Zhejiang, China

Sample Report Number: 21514-TM

The inspection of manufacturing process was performed in:
On July 4th, 2022

FOXESS CO.,LTD

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

325025, Wenzhou, Zhejiang, China

Inspection Report Number: 21515-22-1-IF

RECORD OF CHANGES

Revision	Reason of the motification	Modification	Date
0	Initial version	-	22/07/2022