

Certificate of Conformity

Certificate Number: CN-PVES-250103

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture(s). The manufacturer(s) shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

Applicant:

Emaldo Aps
Bygmarken 4A, 3650 Ølstykke, Denmark
Hybrid Inverter

Product:

Ratings & Principle

See appendix of Certificate of Conformity

Characteristics:

Model:

EM-INV-03, EM-INV-03-B, EM-INV-03-* (*=A-Z)

Brand Name<s>:

emaldo

Product Complies with:

EN 50549-1:2019/A1:2023, Requirements for generating plants to be connected in parallel with distribution networks
Part 1: Connection to a LV distribution network - Generating plants up to and including type B
EN 50549-10:2022, Requirements for generating plants to be connected in parallel with distribution networks - Part 10: Tests for conformity assessment of generating units
Type approval for type A and B Type approval for type A and B with deviations according to Guide for connection of power-generating plants to the low-voltage grid ($\leq 1\text{KV}$) Type A and B Version 1.2:2019 and TR 3.3.1:2024
Intertek Testing Services Ltd. Shanghai
West Area, 2nd Floor, No. 707, Zhangyang Road
China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China

Certificate Issuing Office

Name & Address:

Test Report No.<s>:

241021058GZU-003, February 21, 2025

Additional information in Appendix.

Signature

Certification Manager: Grady Ye

Date: 27 February 2025



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-250103

Model	EM-INV-03, EM-INV-03-B, EM-INV-03-* (*=A-Z)
Battery	
Rated Voltage	51.2 d.c.V
Voltage Range	43.2~57.6 d.c.V
Max Charging Current	210 d.c.A
Max Discharging Current	240 d.c.A
AC Input	
Rated voltage	3/N/PE 230/400 a.c.V
Rated Frequency	50/60Hz
Max Current	30 a.c.A*3
Grid Output	
Max Apparent Power	10800VA
Rated voltage	3/N/PE 230/400 a.c.V
Rated Frequency	50/60Hz
Max Current	15.8 a.c.A*3
Power Factor	0.9leading~0.9lagging
Off Grid	
Max Apparent Power	10800VA
Rated voltage	3/N/PE 230/400 a.c.V
Rated Frequency	50/60Hz
Max Current	15.8 a.c.A*3
Power Factor	1.0
General	
Operation temperature	Inverter:-20°C~55°C
Protective Class	Class I
Inverter Topology	Transformerless
Dimension(W/H/D)	590*543*275mm
Weight	42kg±1kg
Enclosure Type	IP20
Software version	V3.50

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