

Certificate of Conformity

Certificate Number: CN-PVES-240456R1

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

Manufacturer:

BMTPow (Shenzhen) Ltd.
Unit 201, Block D1 & Unit 201, Block D2, Hengli Industrial District, No.168Xiakeng Road,
Tongde Community, Baolong Street, Longgang District, Shenzhen, China.

Product:

Hybrid Inverter with Energy Storage

Ratings & Principle

See appendix of Certificate of Conformity

Characteristics:

Model:

EM-CAB-WH-01

Brand Name<s>:



Product Complies with:

Commission Regulation (EU) 2016/631 of 14 April 2016 (NC RfG) establishing a network code on the requirements for connecting generating units to the network (Journal of Laws UE L 112/1 of 27 April 2016);
PSE:18 December 2018: General Application Requirements resulting from the Regulation of the EU Commission 2016/631 of April 14, 2016 establishing the network code on the requirements for connecting generating units to the grid - approved by the Decision of the President of the Energy Regulatory Office DRE.WOSE.7128.550.2. 2018.ZJ of January 2, 2019.
PTPiREE, 2021: Conditions and procedures for the use of certificates in the process of connecting power generation modules to power grids.
Type approval for Type A PPMs
Type 1a product certification scheme according to ISO/IEC 17067:2013 Certification procedure SMS-PV-OP-19

Certificate Issuing Office

Name & Address:

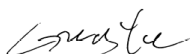
Intertek Testing Services Ltd. Shanghai
West Area, 2nd Floor, No. 707, Zhangyang Road
China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China
Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012

Test Report No.<s>:

240910143GZU-001, Revision1: 25 October 2024

Replaces certificate No. CN-PVES-240456, dated 27 September 2024

Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 03 December 2024

Valid until: 26 September 2029



PRD N° 306B

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-240456R1

Product Complies with:	EN 50549-1:2019 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
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The following functionalities have been assessed based on the rules for the use of certificate for Power Park Modules (PPMs), as specified in chapter 7 and 9 of the PTPIREE 2021. The functions denoted “Not Applicable” in the table of chapter 7 has not been included.

Parameter	NC RfG	PSE 2018-12	Type A	Assessment result
Frequency range	13.1(a)	13.1(a)(i)	x	Compliant
Rate of Change of Frequency (ROCOF) Withstand capability, df/dt	13.1(b)	13.1(b)	x	Compliant
Remote cessation of active power	13.6	13.6	x	Compliant
Limited Frequency Sensitive Mode – Over frequency (LFSM-O)	13.2	13.2(a).(b).(f)	x	Compliant

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Ratings & Principle Characteristics:

Model	EM-CAB-WH-01
Max. input voltage	500VDC
MPPT voltage range	90VDC - 500VDC
Max. input current	13A*3
Max. PV Isc	18A*3
BAT operating voltage range	40VDC - 58.8VDC
Max. BAT input/output current	100A/250A
Max. Grid output apparent power	10800VA
Grid voltage	400VAC, L/N/PE
Rated output frequency	50Hz/60Hz
Rated output current	15.6A*3
Max. output current	16A*3
Adjustable power factor	0.8 Leading - 0.8 Lagging
Rated output power	10800W
Degree of protection	IP54
Protective class	Class I
Operating ambient temperature	-20°C - +60 °C
Software version	ESS-INV-3600 DN 1057

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