Certificate No: LR26478609TA
Issue Date: 01/10/2026
Expiry Date: 30/09/2031

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**Echandia Marine AB**
Address	Johannesfredvägen 15, Bromma, 168 69, Sweden
Place of Production	Echandia Marine AB Johannesfredvägen 15, Bromma, 168 69, Sweden
Type	Lithium-Ion Battery System
Description	LTO Battery System including BMS and string controller
Trade Name	ERS3 & ES4
Application	Marine
Specified Standard	IACS UR E27 Cyber resilience of on-board systems and equipment
Other Conditions	For compliance with: • Lloyd's Register Test Specification No.1, July 2024 • Lloyd's Register Test Specification No.5, March 2019 Refer to Lloyd's Register Type Approval Certificates LR25241159TA (ERS3) and LR26446217TA (ES4)

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Electrical & Control - Senior Specialist to
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This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document LR26478609DA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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