Certificate No: LR26355625TA
Issue Date: 27/07/2026
Expiry Date: 20/10/2029

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	**Discovery Energy, LLC**
Address	N7650 Lakeshore Road, Sheboygan, Wisconsin, 53083, United States
Place of Production	Discovery Energy, LLC N7650 Lakeshore Road, Sheboygan, Wisconsin, 53083, United States
Place of Production	Changzhou Kohler Power Systems Ltd Kohler Road, Xin Bei District, Changzhou, Jiangsu, 213032, China
Type	Marine Alternators
Description	Marine Alternators
Trade Name	4P7bX, 4P8X, 4P10X, 4R9X, 4R12X, 4R13X, 4S12X, 4UA10
Application	Electrical power generation for marine use
Specified Standard	Lloyd's Register Rules and Regulations for the Classification of Ships, July 2024
Ratings	See Appendix
Other Conditions	1. Installation of this equipment for marine applications is to be in accordance with current Lloyd's Register Rules and Regulations.

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Yongchang Cai

Electrical & Control - Senior Specialist to
Lloyd's Register Canada Limited
A member of the Lloyd's Register group

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Type Approval Certificate

2. This Type Approval is for the alternators only.

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 Canada Limited of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: *LR2002383TA*

The Design Appraisal Document LR26355625TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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