



中国船级社
CHINA CLASSIFICATION SOCIETY

证书编号/Certificate No.
SZ25PTB00014_01

型式认可证书
CERTIFICATE OF TYPE APPROVAL

兹证明本证书所述制造厂具备按照下列标准的要求生产本证书所列产品的能力和条件。

This is to certify that the manufacturer stated in the certificate meets the requirements of the standards listed below and is available with the ability and conditions to produce the products described in the certificate.

制造厂/Manufacturer

广东逸动科技有限公司
Guangdong ePropulsion Technology Co.,Ltd.

地址/Address

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Room 801, Building 1, 11 Daxue Road, Songshan Lake, Dongguan, Guangdong Province, China

产品名称/Product

能量管理系统
Energy Management System

认可标准/Approval Standard

- 中国船级社《钢质海船入级规范》第7篇 第2、3章
Chapter 2 and 3, Part Seven of China Classification Society Rules for Classification of Sea-going Steel Ships
- 中国船级社《船舶应用电池动力规范》第1章, 第3章
Chapter 1 and 3 of China Classification Society Rules for Ships Applying Battery as a Power
- 中国船级社《船舶直流综合电力系统检验指南》(2023) 第4章
Chapter 4 of China Classification Society Guidelines for Surveys of Ships DC Integrated Power System 2023
- 中国船级社《船舶应用混合动力系统指南》(2024) 第2章
Chapter 2 of China Classification Society Guidelines for Application of Hybrid Power Systems in Ships 2024
- 中国船级社《船舶设备与系统可靠性验证指南》(2023) 第4、5章
Chapter 4 and 5, China Classification Society Guidelines for Reliability Verification of Ship Equipment and Systems 2023

用于/Intended for

国内航行海船/Domestic sea-going ship, 内河船舶/Inland waters ship
(含电池动力船舶/Include Battery Power Ship)

产品明细/Product Description

功率管理系统/Power Management System (M0001)

名称/Name	属性(值)/Value	单位/Unit
型号/Type	见附页 See additional page(s)	
系统组成/System Component	见附页 See additional page(s)	

证书有效期至/This Certificate is valid until 2030年11月16日/ Nov. 16,2030

发证机构/Issued by 中国船级社深圳分社
CHINA CLASSIFICATION SOCIETY Shenzhen Branch

签发日期/Date 2025年11月17日
Nov. 17,2025

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This Certificate is issued pursuant to the Rules of the Society and related regulation. All pages of the certificate are taken as a whole and are used simultaneously. No paper certificate page is valid without bearing the stamp of the Society, no electronic certificates is valid without the digital signature, and no copied form of the certificate is regarded as valid. Any part of the certificate is not to be extracted or abridged by any unit or individual in any form. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices. For Rules with no version indication, their latest version (at the time of issuance of the certificate) applies to the certificate.



Form No: T01.

联系方式/Contact Us, 见本社官方网站/See official web site of the Society (<http://www.ccs.org.cn>)

UTN:P025-87883516

批准的图纸/Approved Drawings

图纸批准号/ Drawings Approval No. : GP25PPP00089

产品认可试验报告/ Approval Test Report

试验报告编号/ Test Report No. : EP-XT-EMS-01

试验报告日期/ Test Report Date : 2025-10-23

试验报告编号/ Test Report No. : EP-XT-EMS-02

试验报告日期/ Test Report Date : 2025-10-23

试验报告编号/ Test Report No. : E202508278974-1

试验报告日期/ Test Report Date : 2025-10-28

试验报告编号/ Test Report No. : H202508264924-02-G2

试验报告日期/ Test Report Date : 2025-11-11

认可后的产品检验方式/ Method of Product Inspection after Approval

按规范只认可不进行产品检验的产品/The product approved only in term of the rules:

认可后的产品由制造厂检验合格后签发合格证明, 并连同该产品的本社认可证书复印件一并交付用户, 制造厂对产品符合公约、法规、本社规范和本社认可的标准规定负责。

After approval, product inspection should be carried out by the Manufacturer. Upon satisfactory inspection, and the Quality Certificate issued by the Manufacturer should be provided to the purchaser together with the copy of the approval certificate issued by the Society. The manufacturer should take responsibility for the product being in compliance with the convention, statutory regulation, the Society rules and the standard accepted by the Society.

认可保持条件/ Maintenance Requirements of Approval

1. 型式认可后, 如果产品及其重要零部件的设计、所用材料或制造方法有所改变, 且影响到产品的主要特性、特征; 或产品的性能指标有所更改, 且超过认可的范围, 则有关图纸和文件应经检验机构审批。并在检验机构认为必要时, 经本社检验人员见证有关试验和进行检查, 其结果应能证实仍符合认可条件。

After type approval, if there are changes to the design, materials used or manufacturing method of the product and important components and such changes affect major characteristics and properties of the product, or property indexes of the product are changed and exceed the scope of approval, related drawings and documents are to be examined and approved by the concerned survey office. Where deemed necessary by the survey office, the surveyor to the Society will go to witness relevant tests and conduct inspection and the results should be able to demonstrate compliance with the approval conditions.

2. 工厂的质量管理体系应保持有效运行, 并且与认可时一致。如果质量管理体系发生改变, 应经原体系认证机构审核并报本社批准。

The quality management system of the factory shall be ensure effective operation, and shall be the same as the situation of approval. If there are any changes to the quality management system, auditing of the original certification organization for quality management system and the society's approval shall be obtained.

3. 认可证书有效期内, 如果出现可能导致本社取消认可的情况, 工厂应及时采取有效的纠正措施。

Within the validity of the approval certificate, if cases occur that may cause the Society to withdraw the approval, the manufacturer should take corrective actions in a prompt and effective manner.

4. 在认可证书有效期内, 本社检验人员可在未经事先通知的情况下对工厂的产品制造过程进行审核, 以验证产品的生产是否符合业经本社批准的图纸和文件。工厂应予以配合。

Within the validity of the approval certificate, the surveyor to the Society may pay unannounced audit to the manufacturing process of the product in order to confirm whether it is in compliance with the drawings and documents approved by the Society. The factory should provide an active cooperation and necessary for the surveyor.

5. 证书获得者应接受本社每年一次的定期审核, 定期审核日为认可证书期满之日对应的每一周年日, 检查工作应在周年日的前后三个月内进行。

Those who have obtained the certificate should be subject to periodical audit every year. The date of periodical audit shall be each anniversary date which corresponds to the date of expiry of the relevant certificate and the periodical audit shall be done within a time span of three months before and after the annual surveillance date.

备注/Remarks

本社已审核了产品厂无石棉声明，但本社的审核不免除产品厂按照合同关系向订货方保证产品无石棉的责任。
The declaration of asbestos-free submitted by manufacturer has been reviewed by the Society.
However, liability of the manufacturer to guarantee the products are asbestos-free to purchaser under contract will not be exempted.

本产品依据中国船级社《船舶设备与系统可靠性验证指南》（2023）第4、5章的要求进行了可靠性验证，引用环境参数严酷度为 6K3/6B1/6C1/6S1/6M3。

This product has been verified for reliability according to the requirements of Chapter 4 and 5, China Classification Society Guidelines for Reliability Verification of Ship Equipment and Systems 2023, the severity of the cited environmental parameter is 6K3/6B1/6C1/6S1/6M3.

本产品不含机柜，产品上船安装时应根据实际安装位置选取对应外壳防护等级的机柜，不低于IP23。
The product does not include cabinet. When installing on board, a cabinet with the corresponding enclosure protection grade should be selected based on the actual installation location, which should not be lower than IP23.

中国船级社深圳分社

CCS Shenzhen Branch

注：本证书含有附页，共1页

Note: The certificate is attached with additional 1 page(s)

产品明细
Product Description

型号/Type	EP-EMS-E; EP-EMS-H
电源/Power Source	AC220V/DC24V
软件版本/Software Version	V1.0
系统组成/ System Component	PLC控制器/Programmable Logic Controller
	分布式IO/Distributed IO Module
	触摸屏/Touch Screen
	工控机Industrial Computer
	交换机/Switch
	开关电源/Power Supply
	远传模块/Remote Data Transmission Module