

武汉氢能产研院船用燃料电池产品再获船级社型式认证

近日，武汉氢能与燃料电池产研院自主研发的100kW级、200kW级船用燃料电池发电模块获得了中国船级社（CCS）颁发的型式认可证书。该模块基于产研院自主研制的电堆技术，通过了振动、倾斜摇摆、高低温环境及电磁兼容等数十项测试，满足船舶复杂工况要求，具备高效率、零排放、低噪音等优势。

前期产研院已取得70kW级燃料电池发电模块型式认可证书，加上本次取得100kW级、200kW级船用燃料电池发电模块，产研院取得了船用燃料电池发电模块系列化产品的CCS型式认可。基于上述基础模块，可通过模块化组合，形成覆盖70kW至兆瓦级的船用燃料电池系统产品，满足各类大、中、小型绿色船舶零碳动力需求。

本次取得的船用燃料电池发电模块系列产品CCS型式认可证书，不仅是产研院船用燃料电池技术市场化应用的“通行证”，更是产研院突破市场壁垒、实现绿色转型、提升竞争力的核心工具，对推动船舶产业高端化、低碳化发展具有战略意义。



中国船级社
CHINA CLASSIFICATION SOCIETY

证书编号/Certificate No.
WH22PTB00077

型式认可证书
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制造厂/Manufacturer

中国船舶重工集团公司第七一二研究所
No.712 Institute,CSIC

地址/Address

湖北省武汉市洪山区南湖汽校大院
Nanhu Steam School, Hongshan District, Wuhan City, Hubei

产品名称/Product

燃料电池发电系统
Fuel cell power system
电池系统
Battery System

认可标准/Approval Standard

1. 中国船级社《钢质海船入级规范》(2021)及其修改通报第4篇第1章
Chapter 1, Part Four of China Classification Society Rules for Classification of Sea-Going Steel Ships 2021 and its Amendments
2. GD14-2022中国船级社《船舶应用燃料电池发电装置指南》
GD14-2022 CCS "Guidelines for Fuel Cell Power Generation Device Used in Ships"
3. IEC62282-3-100 (2019)《燃料电池技术第3-100部分 固定式燃料电池发电系统——安全》
IEC62282-3-100(2019) Fuel Cell Technologies-Part3-100:Stationary Fuel Cell Power Systems-Safety

用于/Intended for

国内航行船舶/Domestic Ships

产品明细/Product Description

电池系统/Battery System (M0001)

名称/Name	属性(值)/Value	单位/Unit
型号/Type	RWZA-70K	
额定电压/Rated Voltage	DC200~380	V
额定容量/Rated Capacity	70	KW
外壳防护等级/Protection	IP65	

证书有效期至/This Certificate is valid until **2025年07月29日/Jul. 29,2025**

发证机构/China Classification Society
Issued by **武汉船级社武汉分社**

签发日期 **2022年07月02日**
Date **Jul. 02,2022**

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The No.1 of Nanhu Qixiao Hongshan District Wuhan,Hu bei

产品名称/Product

燃料电池发电系统
Fuel cell power system

认可标准/Approval Standard

- 中国船级社《钢质海船入级规范》第4篇第1章
Chapter 1, Part Four of China Classification Society Rules for Classification of Sea-Going Steel Ships
- 中国船级社《船舶应用燃料电池发电装置指南》第1、7、10章
Chapter 1,7,10 of China Classification Society Guidelines for Ships Using Fuel Cell Power Installations
- IEC62282-3-100 (2019)《燃料电池技术第3-100部分 固定式燃料电池发电系统——安全》
IEC62282-3-100(2019) Fuel Cell Technologies-Part3-100:Stationary Fuel Cell Power Systems-Safety

用于/Intended for

船舶/Ships

产品明细/Product Description

电池系统/Battery System (M0001)

名称/Name	属性(值)/Value	单位/Unit
型号/Type	RMZA-100K	
额定电压/Rated Voltage	DC240~440	V
额定容量/Rated Capacity	100	KW
外壳防护等级/Degrees of Protection	IP65	

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发证机构/Issued by 中国船级社武汉分社
China Classification Society Branch

签发日期/Date 2024年12月30日
Dec. 30,2024

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CHINA CLASSIFICATION SOCIETY

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地址/Address

湖北省武汉市洪山区南湖汽校大院特1号
The No.1 of Nanhu Qixiao Hongshan District Wuhan,Hu bei

产品名称/Product

燃料电池发电系统
Fuel cell power system

认可标准/Approval Standard

- 中国船级社《钢质海船入级规范》第4篇第1章
Chapter 1, Part Four of China Classification Society Rules for Classification of Sea-Going Steel Ships
- 中国船级社《船舶应用燃料电池发电装置指南》第1、7、10章
Chapter 1,7,10 of China Classification Society Guidelines for Ships Using Fuel Cell Power Installations
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IEC62282-3-100(2019) Fuel Cell Technologies-Part3-100:Stationary Fuel Cell Power Systems-Safety

用于/Intended for

船舶/Ships

产品明细/Product Description

电池系统/Battery System (M0001)

名称/Name	属性(值)/Value	单位/Unit
型号/Type	RMZA-200K	
额定电压/Rated Voltage	DC240~440	V
额定容量/Rated Capacity	200	KW
外壳防护等级/Degrees of Protection	IP65	

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China Classification Society Branch

签发日期/Date 2024年12月30日
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