



COMPANY INTRUDUCTION



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Part 1



Introduction

KMC establishment since 2008.

We focus on generator control panels, automatic battery chargers and shipbuilding equipment.

We design and manufacture modular products by customers. Our products are use in various field marine / land.

Marine products are certified by the major classification.



Marine

Major Shipyard

(Korea, China, Japan etc.)

Government Ships

(Coast Guard, Port Authority, etc.)



Land

Emergency Generator Panel

Plant / Building supply



Train

Korean AREX

(Airport Railroad) Train

Incheon airport – Seoul Station

Products Introduction

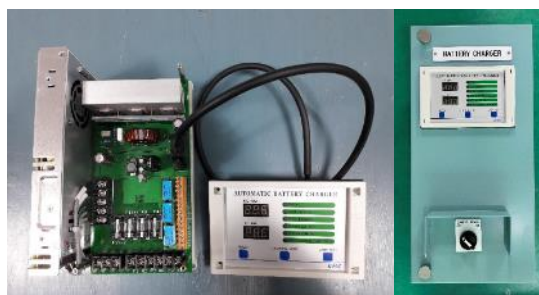
Generator Control Panel

KMC's Generator Control Panel can customized customer's request.
Additional customer's request, supply Remote Monitoring System.



Automatic Battery Charger

Modular type design
Can customized customer's request.



Motorized Potentiometer

Generator paralleling purpose product.



Products Introduction



Product Installation

Emergency Control Panel Install
building(apartment)
(Goyang-si, Gyeonggi-do)



Main Generator Control Panel

Supply product
(KNC Marine, China)



AREX(Airport Railroad) Train

Train cab wiper controller
(Supply by Hyundai Rotem)



Korean Coast Guard

External fire pump unit
(Localized product)
(Supply by Yusin HR, Busan)

Classification Cert.

Electronically published by ABS Busan.
Reference T1980660, dated 29-APR-2020.



CERTIFICATE NUMBER	20-1980660-PDA
EFFECTIVE DATE	29-Apr-2020
EXPIRY DATE	28-Apr-2025
ABS TECHNICAL OFFICE	Busan Engineering Services

CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

KMC
located at

**21 GAYANGRO 58 BUNGIL, SUNGSAN-GU, CHANGWON, Korea,
Republic of**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product Emergency Generator Controller

Model ECMS-850EH

This Product Design Assessment (PDA) Certificate remains valid until 28/Apr/2025 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau Of Shipping


Yun-Sung Kim,Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

Certificate of Product Design Assessment Rev.3
of 1

Page 1

Sensitivity: Internal & Restricted

Classification Cert.

Electronically published by ABS Busan.
Reference T2233413, dated 11-APR-2022.



CERTIFICATE NUMBER	22-2233413-PDA
EFFECTIVE DATE	11-Apr-2022
EXPIRY DATE	10-Apr-2027
ABS TECHNICAL OFFICE	Busan Engineering Services

CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

KMC
located at

**21 GAYANGRO 58 BUNGIL, SUNGSAN-GU, CHANGWON, Korea,
Republic of**


assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product: Generator Automatic Controller
Model: ECMS-950
Endorsements:
Tier: 5 - Unit Certification Required

This Product Design Assessment (PDA) Certificate remains valid until 10/Apr/2027 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau Of Shipping

Seong-Ju Kang,Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

Certificate of Product Design Assessment Rev.3
of 1

Page 1

Sensitivity: Internal & Restricted



Marine & Offshore

Certificate number: 23522/C0 BV
File number: AP 4163
Product code: 4440H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

www.veristar.com

TYPE APPROVAL CERTIFICATE

This certificate is issued to

KMC

Changwon (Gyeongnam) - KOREA (REPUBLIC OF)

for the type of product

ALARM, MONITORING AND CONTROL SYSTEMS

Model: ECMS-850EH

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships

EC Code: 33B

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 04 Jan 2027

For Bureau Veritas Marine & Offshore,

At BV PUSAN, on 04 Jan 2022,

Chang-Uk HONG



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarm.com/veristamb/jsp/viewPublicPdfTypeec.jsp?id=a7exlepvnb>
BV Mod. Ad.E 530 June 2017

This certificate consists of 3 page(s)

Classification Cert.

Page 1 / 2



Marine & Offshore

Certificate number: 56107/A0 BV

File number: AP4836

Product code: 3922H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

www.veristar.com

TYPE APPROVAL CERTIFICATE

This certificate is issued to

KMC

Changwon (Gyeongnam) - KOREA (REPUBLIC OF)

for the type of product

AUTOMATIC SHUT DOWN DEVICES (OVERSPEED PROTECTION, ETC.)**SPEED SWITCH - SAFETY DEVICE SPSW7200****Requirements:**

Bureau Veritas Rules for the Classification of Steel Ships

EC Code: 33

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 01 Apr 2024

For Bureau Veritas Marine & Offshore,

At BV PUSAN, on 01 Apr 2019,

Chang-uk HONG



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the Internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarm.com/veristarmb/jsp/viewPublicPdfType.jsp?id=3a1qxxmg0g>
BV Mod. Ad.E 530 June 2017

This certificate consists of 2 page(s)

CamScanner로 스캔하기



DNV GL

TYPE APPROVAL CERTIFICATE

Certificate No:
TAA00000NW
Revision No:
2

This is to certify:
That the Engine Safety, Control and Alarm System

with type designation(s)
ECMS 850EH

Issued to
KMC
Changwon-si, Gyeongsangnam-do, Republic of Korea

is found to comply with
DNV GL rules for classification – Ships, offshore units, and high speed and light craft

Application :

Location classes:

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Temperature A
Humidity B
Vibration B
EMC B
Enclosure B

Issued at **Busan** on **2020-09-25**

This Certificate is valid until **2025-07-12**.
DNV GL local station: **Busan**

Approval Engineer: **Eun Jin Lee**



for **DNV GL**
Digitally Signed By: **Andreas Kristoffersen**
Location: **DNV GL Busan, Korea**

Andreas Kristoffersen
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Form code: TA 251

Revision: 2020-02

www.dnvgl.com

Page 1 of 3

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Classification Cert.

KR HELLAS LTD.
41, Athinas Av., Vouliagmeni,
GR-16671, Athens, Greece

TEL: +30-210-428-6736
FAX: +30-210-428-6728



KR HELLAS

Certificate No:
EMC-MA-1002-12

This consists of 1 page.

CERTIFICATE OF COMPLIANCE of European Council Directive 2004/108/EC on EMC

THIS IS TO CERTIFY that the following equipment complies with the essential requirements of the Council Directive 2004/108/EC on electromagnetic compatibility.

Manufacturer Name : KMC
Address : #36-9, Gaeum-dong, Sungsan-gu, Changwon-si,
Gyeongsangnam-do, Korea
Equipment : Engine Control & Monitoring System
Model Name : ECMS 850EH
Specific Standards : IEC 60533:1999
Test report No. : KOMERI-0311-12T1375-1

This certificate is based on the review of the technical construction file submitted. It refers only to the particular sample submitted for certification. It does not imply assessment of the production.

The holder of this certificate may use this certificate together with his EC-declaration of conformity.

This certificate is issued at Athens on 13th December 2012, under the authority of the Hellenic Republic of Greece by KR Hellas Ltd., Notified Body No. 2198.



[Signature]
Kwon Jae-Geun

CEO of KR Hellas Ltd

Any person not a party to the contract pursuant which this document is delivered may not assert a claim against KRH for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgment, fault or negligence committed by personal of KRH in establishment or issuance of this document, and in connection with any activities for which it may provide. In this provision KRH shall mean the KR Hellas Ltd. as well as all its subsidiaries, directors, officers, employees and any other acting on behalf of KR Hellas Ltd.

(Form No. : FI-104-02, 01.04.2011) (Page: 1/1)

Classification Cert.



TYPE APPROVAL CERTIFICATE

Certificate No. : CWN24757-AC001 **Initial Approval :** 11th August, 2010
Product : Engine Control & Monitoring System
Manufacturer : KMC
21, Gayang-ro 58beon-gil, Seongsan-gu, Changwon-si, Gyeongsangnam-do,
51486 Rep. of Korea
Product Description : Type : ECMS-850EH
- Intended for : Generator Engines
- Power Supply : DC 24 V

" See Appendix 1 "

Approval Condition : " See Appendix 1 "

THIS IS TO CERTIFY that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows.

Pt. 6, Ch. 2, Art. 301 of the Rules for Classification, Steel Ships.

This Certificate is valid until 10th August, 2025
Issued at Busan, Korea on 22nd September, 2020



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "http://e-cert.krs.co.kr" by using the tracking No (ME20033162647) and certificate No.(CWN24757-AC001).



KOREAN REGISTER

General Manager of
Marine & Ocean Equipment Team

Note : 1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.
2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.
3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.
4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.

Classification Cert.

Certificate No : CWN24757-AC003

Type Approval Certificate



[Engine Control & Monitoring System]

Initial Approval 2 January 2023
Manufacturer KMC
21, Gayang-ro 58beon-gil, Seongsan-gu, Changwon-si, Gyeongsangnam-do, 51486
Rep. of Korea
Product Description Type : ECMS-950

“ See Appendix 1 ”

Approval Condition “ See Appendix 1 ”

THIS IS TO CERTIFY that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows.
Pt. 6, Ch. 2, Art. 301 of the Rules for Classification, Steel Ships.

This Certificate is valid until 1 January 2028
Issued at Busan, Korea on 2 January 2023



This certificate is signed electronically in accordance with IMO FAL 5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "http://e-cert.krs.co.kr" by using the tracking No(ME23000382433) and certificate No.(CWN24757-AC003).



KOREAN REGISTER

General Manager of
Marine & Ocean Equipment Team

Note : 1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.
2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.
3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.
4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.



Page 1 of 2
Certificate No: LR22101379TA
Issue Date: 12/03/2022
Expiry Date: 11/03/2027

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	KMC
Address	#21, Gayangro 58-beon-gil, Seongsan-gu, Changwon, Gyeongsangnam-do, 51486, Republic of Korea
Type	Engine Controller and Enclosure
Description	Engine Control and Monitoring System
Trade Name	ECMS-950 Main unit model: ECMS 950 Relay block model: ECMS 850, 950-RB3 Fuse block model: FB2 (2P) Interface board model: ITB-950F, ITB-950V
Application	Marine and offshore applications for use in environmental category ENV4 in the "General Power Distribution Zones" as defined in LR Type Approval System Test Specification No.1-December 2021
Specified Standard	Manufacture design specification
Additional Tests	Dry heat test(at 55 °C, 16 hours) Enclosure ingress protection test (IP44, IEC60529)
Other Conditions	Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations. If the specified standards are amend during the validity of this certificates, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply. (In case of applications other than Marine) The application of this Type-Approval Certificate will be limited to the relevant scope of the Specified standards and acceptance thereof by the local authorities.

Lee Gyung-Hwan

Gyung-Hwan Lee
Lead Digitalisation Specialist to Lloyd's Register Asia
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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TA01 1.0.0



Page 1 of 1
Certificate No: 17-40052-02
Issue Date: 31/03/2022
Expiry Date: 30/03/2027

LLOYD’S REGISTER TYPE APPROVAL SYSTEM

Issue by: Busan Technical Support Office
Issued to: KMC Co.
For: Speed Switch, Safety Device-SPSW7200

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System Procedure TA14 (version 04) and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Request for marine service	LR Form 2502TA	10 March 2022
Production quality assessment	LR Form-PQA	14 March 2022
Declaration letter	-	14 March 2022
ISO9001 certificate	A1129	10 December 2020

TEST REPORTS

Test report issued by ONETECH	OT-222-RRD-013	09 February 2022
Test report issued by KOMERI	KOMERI-0311-21T4651(E)	14 March 2022
Test Report endorsed by LR Surveyor	KMC-R-220314-01	14 March 2022



Gyung-Hwan Lee
Lead Specialist, Electrotechnical Systems
Busan Technical Support Office
Lloyd's Register Asia

Supplementary Type Approval Terms and Conditions

Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations. Lloyd's Register Asia reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



Page 1 of 1
Certificate No: 17-40060-02
Issue Date: 31/03/2022
Expiry Date: 30/03/2027

LLOYD’S REGISTER TYPE APPROVAL SYSTEM

Issue by: Busan Technical Support Office
Issued to: KMC Co.
For: Temperature Sensor, PT100-50

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd’s Register Type Approval System Procedure TA14 (version 04) and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Request for marine service	LR Form 2502TA	10 March 2022
Production quality assessment	LR Form-PQA	14 March 2022
Declaration letter	-	14 March 2022
Pt100 temperature drawing	16010000, Rev.3	04 March 2022
ISO9001 certificate	A1129	10 December 2020

TEST REPORTS

Test report issued by ONETECH	OT-222-RRD-014	09 February 2022
Test report issued by ONETECH	OT-223-REK-002	21 March 2022
Test Report endorsed by LR Surveyor	KMC-R-220314-02	14 March 2022



Gyung-Hwan Lee
Lead Specialist, Electrotechnical Systems
Busan Technical Support Office
Lloyd’s Register Asia

Supplementary Type Approval Terms and Conditions

Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

Type Approval is based on the understanding that the manufacturer’s recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations. Lloyd’s Register Asia reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd’s Register Type Approval System Procedure.

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Our Ref: TA20090M
Date: 20 March 2020

Dear Sirs,

We are pleased to inform you that the following drawings have been approved as the standardized drawings in accordance with the requirements of Chapter 2, Part H of this Society's "Rules for the Survey and Construction of Steel Ships" and Chapter 1, Part 6 of the Society's "Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use".

- | | |
|-----------------------|-----------------------------------|
| 1. Approval No.: | 15VG001A |
| 2. Term of Validity : | 19 March 2025 |
| 3. Product : | Emergency Generator Control Panel |
| 4. Model : | ECMS 850EH |

Please note that an application for applying the standardized design is to be submitted to us, when you supply the above products to ships with our class.

In addition, the following information are to be included in the application.

- 1) Capacity of primary and secondary starting batteries
- 2) Secondary means of starting

Yours faithfully,



T. Shimada
General Manager,
Machinery Department

Classification Cert.

ClassNK NIPPON KAIJI KYOKAI
Administration Center Annex
3-3 KIOI-CHO, CHIYODA-KU, TOKYO 102-0094, JAPAN

Our ref.: TA23255M
Date: 28 June 2023

KMC Co., Ltd.
#21, Gayangro 58 Beon-gil, Sungsan-gu
Changwon-si, Gyeongsangnam-do
Korea

Subject: Approval of standardized drawings for Emergency Generator Control Panel (ECMS 950)
Reference: Your application dated on 8 May 2023

Dear Sirs,

We are pleased to inform you that the design of the product described below has been examined satisfactorily in accordance with the relevant requirements of the Society's Rules and approved as standardized design in line with Chapter 1, Part 6 of Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use.

Product: Emergency Generator Control Panel
Type: ECMS 950
Drawing No.: 23050002
Particulars: Design Temperature / 0 ~ 60°C
Power Source / DC 24V
Approval No.: 23VG001A
Applicable rules: Chapter 18, Part D of NK Rules
Valid Until: 27 June 2028
The validity of this approval may cease automatically when the relevant requirements of the Society's Rule are revised.
Note: Any significant changes in design or construction of the above items may render this approval invalid.

You are kindly requested to notify the Society when the above product is manufactured to be installed onboard any NK classed ship, by submission of Form 6-1-2.

Sincerely yours,


S. Oishi
General Manager
Machinery Department

CC: NK Busan Office

Classification Cert.

ClassNK NIPPON KAIJI KYOKAI
Administration Center Annex
3-3 KIOI-CHO, CHIYODA-KU, TOKYO 102-0094, JAPAN

Our ref.: TA23255M
Date: 28 June 2023

KMC Co., Ltd.
#21, Gayangro 58 Beon-gil, Sungsan-gu
Changwon-si, Gyeongsangnam-do
Korea

Subject: Approval of standardized drawings for Emergency Generator Control Panel (ECMS 950)
Reference: Your application dated on 8 May 2023

Dear Sirs,

We are pleased to inform you that the design of the product described below has been examined satisfactorily in accordance with the relevant requirements of the Society's Rules and approved as standardized design in line with Chapter 1, Part 6 of Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use.

Product:	Emergency Generator Control Panel
Type:	ECMS 950
Drawing No.:	23050002
Particulars:	Design Temperature / 0 ~ 60°C Power Source / DC 24V
Approval No.:	23VG001A
Applicable rules:	Chapter 18, Part D of NK Rules
Valid Until:	27 June 2028 The validity of this approval may cease automatically when the relevant requirements of the Society's Rule are revised.
Note:	Any significant changes in design or construction of the above items may render this approval invalid.

You are kindly requested to notify the Society when the above product is manufactured to be installed onboard any NK classed ship, by submission of Form 6-1-2.

Sincerely yours,


S. Oishi
General Manager
Machinery Department

CC: NK Busan Office

Contact



Location

21, Gayang-ro 58beon-gil, Seongsan-gu,
Changwon-si, Gyeongsangnam-do,
Republic of Korea



Email

kmckmce@daum.net



Phone

Tel. +82) 055-287-5267
Fax. +82) 055-287-5268