



# Type Approval Certificate

[ Power Management System with Cyber Resilience ]

**Initial Approval** 13 May 2026  
**Manufacturer** DEIF A/S  
 Frisenborgvej 33, DK-7800 Skive, Denmark  
**Product Description** Type : iE 250, iE 350, iE 650

“ 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.

Ch. 3 of the Guidance for Cyber Resilience of Ships and Systems  
 IACS UR E27 Rev.1 Cyber Resilience of On-board Systems and Equipment

This Certificate is valid until 12 May 2031

Issued at Busan, Korea on 13 May 2026



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(ME26020627490) and certificate No.(CPH06107-CS001).



**KOREAN REGISTER**

*General Manager of  
 Certification of Materials &  
 Components 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.

## Product Description and/or Approval Condition

Date of Issue : 13 May 2026

### A. Product Description

#### 1. Product Specification

1) The iE 250, iE 350 and iE 650 are modular base power management system controllers used for generator control, power management and generator protection applications.

2) Hardware components

Type	TA Cert no.
iE 350	CPH06107-AC005
iE 250, iE 650	CPH06107-AC008

3) Software version

- iE 250 : 2.0.2.x
- iE 350 : 2.0.2.x
- iE 650 : 2.0.2.x

#### 2. Approved Drawings and Documents

- 1) Approved documents
- CBS asset inventory : iEx50 Asset Inventory V1.2.0
  - Topology diagrams : N/A
  - Description of security capabilities : iEx50 E27 Security Requirements rev.B
  - Test procedure for security capabilities : iE 350 E27 test specification V1.0.0, iE 250 E27 test specification V1.1.0, iE 650 E27 test specification V1.0.0, CODESYS E27 test specification V1.1.0
  - Secure development lifecycle : Software Development Lifecycle V1.0.1

#### 3. Test Reports, etc.

- 1) Test reports
- iE 350 E27 test specification V1.0.0 signed
  - iE 250 E27 test specification V1.1.0 signed
  - iE 650 E27 test specification V1.0.0 signed
  - CODESYS E27 test specification V1.1.0 signed
- 2) Etc.
- Security configuration guidelines : iEx50 Security Capabilities
  - Information supporting incident response and recovery plans : iEx50 Cyber Security E27 Recovery Plan rev.A
  - Plans for maintenance and verification : iEx50 E27 Security Requirements rev.B
  - Management of change plan : 491000011AL, 291122

### B. Approval Condition

#### 1. Application & Limitation

- 1) This approval is granted on the basis of the approved documentation and the test reports (IACS UR E27 Rev. 1).
- 2) The connection of this product to an untrusted network shall be reviewed and approved for each vessel.
- 3) The manufacturer is to inform this Society of all kinds of revisions of the equipment including software. If the changes are recognized to affect the functionality of the approved equipment, a type test to confirm the reliability of the revised equipment may be performed in the presence of our surveyor.
- 4) This approval does not cover environmental/EMC and performance requirements for the system hardware and the functionality of the software, except for cyber resilience in accordance with IACS UR E27 Rev. 1.

## Product Description and/or Approval Condition

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Date of Issue : 13 May 2026

### 2. Individual Product Cert. and Drawing Approval Requirement

- 1) Individual Product Certification is not required according to Ch. 3 of the Guidance for Cyber Resilience of Ships and Systems.
- 2) In the case where this system is installed on board, below documents for individual vessel are to be submitted to this Society according to Ch. 3 of the Guidance for Cyber Resilience of Ships and Systems.
  - Approved documents : CBS asset inventory, topology diagrams
  - Reference documents : Cyber resilience test reports

### 3. Marking

- 1) The product or packing is to be marked with the manufacturer's name and type designation on a suitable position.

### 4. Others

- 1) Test carried out
  - Security capability test according to 401, Ch. 3 of the Guidance for Cyber Resilience of Ships and Systems

< End of Certificate >

