



EU-Type Examination Certificate

APPLICANT

NINGBO DEYE ESS TECHNOLOGY CO., LTD.

No.568, South Rixian Road, Binhai Economic Development Zone, Cixi, Ningbo, Zhejiang, P.R.China

Manufacturer: NINGBO DEYE ESS TECHNOLOGY CO., LTD.

No.568, South Rixian Road, Binhai Economic Development Zone, Cixi, Ningbo, Zhejiang, P.R.China

Commercialised by (brand): Deye

PRODUCT

Energy Management Controller

Type of product: MS-EMS

HW / SW: HW: EM-1000 Rev.C / SW information see 1.3

Description: The device is an Energy Management Controller

APPLICABLE REGULATION

Radio Equipment (RED)

Directive 2014/53/EU of the European Parliament and of the Harmonisation of the laws of the member states relating to the making available on the market of radio equipment.

Meet Essential Requirements

- | | |
|---|---------------------------------------|
| ☐ Art. 3.1 (a) | ☐ Art. 3.3 (e) |
| ☐ Art. 3.1 (b) | ☐ Art. 3.3 (f) |
| ☐ Art. 3.2 | ☐ Art. 3.3 (g) |
| ☒ Art.3.3 (d) | ☐ Art. 3.4 |

This document is not valid without its technical annex, whose number matches with the number of this certificate. The evaluation of the technical documentation delivered is included in the technical file number: 25/37701897.

This Certificate is valid as long as there are no changes in the state of the Art indicating that the approved radio equipment can no longer meet the essential requirements of Directive 2014/53/EU and there are no notifications of the approved type that may affect the accordance with the essential requirements of Directive 2014/53/EU. Restrictions (if applicable): N/A.

The manufacturer, after the completion of the technical documentation, the conformity assessment procedures and the EU Declaration of conformity, may affix the CE Marking under his responsibility.

No. 0370-RED-10515

Issuance Date: 10th November, 2025



Check the status
of this certificate

Lluís Boada

Certification Technical Manager
Electrical & Electronics



LGAI Technological Center S.A. (APPLUS)

Notified Body No. 0370

Campus UAB. Ronda de la Font del Carme s/n
08193 Bellaterra, Barcelona (Spain)



Certificate

Technical Annex

1. Model Description

1.1. General Information on the Equipment

Manufacturing country: China

Brand: Deye

Commercial designation: Deye

Country of commercialisation: EU

Radio Service: WWAN

Application: Energy Management Controller

1.1.1. Trade Versions/Variants

MS-EMS

1.2. Features

Energy Management Controller

1.3. Software Version(s)

OS Version: Ubuntu 20.04.6 LTS

SW Version: EMS-aaXXXX-XXXXXX.XXXXXXXXXX.XX

(SW Version for test: EMS-GS0215-000000.20251104.01) (In the software version, all "X" characters represent a 1-digit number with a value range of 0-9. They are used to distinguish versions optimized for different requirements. The differences between these versions are limited to bug or vulnerability fixes, and no security function updates will be made. All "a" characters in the software version represent a 1-digit uppercase English letter, with a value range of A-2. The segment "aaXXXX" is solely used to distinguish different application scenarios of the product, There are no hardware differences between the versions, and the only differences among them are bug or vulnerability fixes; no security function updates will be implemented.)

1.4. Hardware Version(s)

EM-1000 Rev.C

2. Test Protocol

Requirement	Standard/evidence	Laboratory	Report N°
Specific Categories Article 3.3(d)	EN 18031-1: 2024	EMTEK (SHENZHEN) CO., LTD.	ENS2508110115N00101R

3. Restrictions (if positive)

☐ Yes

☒ No

Describe restrictions:

4. Activities carried out by the Notified Body (NB)

Technical Documentation Review

- | | | |
|---|---|--|
| ☒ Assembly drawing(s) | ☒ Block Diagram | ☒ Circuit diagram / schematics |
| ☒ External photographs | ☒ Label drawing/location | ☒ User manual |
| ☒ Internal photographs | ☒ Operational description | ☒ Risk Assessment |
| ☒ Test set-up photographs | ☒ Test reports | ☒ EU declaration of conformity |
| ☒ Bill of Materials | ☒ PCB layout | |
| ☐ Installation diagrams and explanations | ☒ List of applied (harmonized and non-harmonized) standards | |

Other Activities:

- ☐ RIS
- ☐ EFIS/CNAF
- ☒ Review Technical Justifications
- ☒ Analysis Report
- ☒ EU type certification issued

5. Additional Information

Radio Equipment Directive 2014/53/EU, Article 10.4: Manufacturers shall keep the technical documentation and the EU declaration of conformity for 10 years after the radio equipment has been placed on the market.

Radio Equipment Directive 2014/53/EU, Annex III, Module B.7: The manufacturer shall inform the notified body that holds the technical documentation relating to the EU-type examination certificate of all modifications to the approved type that may affect the conformity of the radio equipment with the essential requirements of this Directive or the conditions for validity of that certificate. Such modifications shall require additional approval in the form of an addition to the original EU-type examination certificate.

This review includes draft standards, deviations from the standards and technical justification for compliance.