

STN	Akumulátorové články a batérie obsahujúce alkalické alebo iné nie kyslé elektrolyty Hermeticky uzavreté niklovo-metalhydridové články a batérie na priemyselné používanie Časť 2: Bezpečnosť	STN EN IEC 63115-2 36 4385
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Secondary cells and batteries containing alkaline or other non-acid electrolytes - Sealed nickel-metal hydride cells and batteries for use in industrial applications - Part 2: Safety

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 05/21

Obsahuje: EN IEC 63115-2:2021, IEC 63115-2:2021

132716

EUROPEAN STANDARD

EN IEC 63115-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2021

ICS 29.220.30

English Version

**Secondary cells and batteries containing alkaline or other non-acid electrolytes - Sealed nickel-metal hydride cells and batteries for use in industrial applications - Part 2: Safety
(IEC 63115-2:2021)**

Accumulateurs alcalins et autres accumulateurs à électrolyte non acide - Accumulateurs étanches au nickel-métal hydrure destinés à l'utilisation dans les applications industrielles - Partie 2: Sécurité
(IEC 63115-2:2021)

Sekundärzellen und -batterien mit alkalischen oder anderen nicht-säurehaltigen Elektrolyten - Gasdichte Nickel-Metallhydrid-Zellen und -Batterien für den Gebrauch in industriellen Anwendungen - Teil 2: Sicherheit
(IEC 63115-2:2021)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 63115-2:2021 (E)**European foreword**

The text of document 21A/735/FDIS, future edition 1 of IEC 63115-2:2021, prepared by SC 21A "Secondary cells and batteries containing alkaline or other non-acid electrolytes" of IEC/TC 21 "Secondary cells and batteries" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63115-2:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2021-11-09
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024-02-09

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60068-2-11	NOTE	Harmonized as EN 60068-2-11
IEC 60068-2-60	NOTE	Harmonized as EN 60068-2-60
IEC 60529	NOTE	Harmonized as EN 60529
IEC 60664-1	NOTE	Harmonized as EN IEC 60664-1
IEC 60730-1:2013	NOTE	Harmonized as EN 60730-1:2016 (modified)
IEC 60812	NOTE	Harmonized as EN IEC 60812
IEC 61025	NOTE	Harmonized as EN 61025
IEC 61032:1997	NOTE	Harmonized as EN 61032:1998 (not modified)
IEC 61434	NOTE	Harmonized as EN 61434
IEC 61508 (series)	NOTE	Harmonized as EN 61508 (series)
IEC 61511-1	NOTE	Harmonized as EN 61511-1
IEC 61513	NOTE	Harmonized as EN 61513
IEC 61951-2:2017	NOTE	Harmonized as EN 61951-2:2017 (not modified)
IEC 62061	NOTE	Harmonized as EN 62061
IEC 62133-1:2017	NOTE	Harmonized as EN 62133-1:2017 (not modified)
IEC 62675	NOTE	Harmonized as EN 62675
IEC 62933-2-1:2017	NOTE	Harmonized as EN IEC 62933-2-1:2018 (not modified)
IEC 62485-2:2010	NOTE	Harmonized as EN IEC 62485-2:2018 (not modified)
ISO 9001:2015	NOTE	Harmonized as EN ISO 9001:2015 (not modified)

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-482	-	International Electrotechnical Vocabulary - Part 482: Primary and secondary cells and batteries	-	-
IEC 63115-1	2020	Secondary cells and batteries containing alkaline or other non-acid electrolytes - Sealed nickel-metal hydride cells and batteries for use in industrial applications - Part 1: Performance	EN IEC 63115-1	2020
ISO/IEC Guide 51	-	Safety aspects - Guidelines for their inclusion in standards	-	-



IEC 63115-2

Edition 1.0 2021-01

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Secondary cells and batteries containing alkaline or other non-acid electrolytes – Sealed nickel-metal hydride cells and batteries for use in industrial applications –
Part 2: Safety**

**Accumulateurs alcalins et autres accumulateurs à électrolyte non acide –
Accumulateurs étanches au nickel-métal hydrure destinés à l'utilisation dans les applications industrielles –
Partie 2: Sécurité**

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IEC 63115-2

Edition 1.0 2021-01

INTERNATIONAL STANDARD

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**Secondary cells and batteries containing alkaline or other non-acid electrolytes – Sealed nickel-metal hydride cells and batteries for use in industrial applications –
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Accumulateurs étanches au nickel-métal hydrure destinés à l'utilisation dans les applications industrielles –
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ICS 29.220.30

ISBN 978-2-8322-9132-0

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CONTENTS

FOREWORD.....	4
1 Scope.....	6
2 Normative references	6
3 Terms and definitions	6
4 Parameter measurement tolerances	9
5 General safety considerations	10
5.1 General.....	10
5.2 Insulation and wiring.....	10
5.3 Venting	10
5.4 Temperature, voltage and current management	10
5.5 Terminal connectors	11
5.6 Assembly of cells into batteries	11
5.7 Quality plan	11
5.8 Type test conditions.....	11
5.9 Test items	11
6 Specific requirements and tests	12
6.1 General.....	12
6.2 Preliminary preparation for test purposes.....	13
6.3 Insulation	13
6.4 Intended use.....	13
6.4.1 Vibration.....	13
6.4.2 Enclosure stress at high ambient temperature	14
6.4.3 Temperature cycling	14
6.5 Reasonably foreseeable misuse.....	15
6.5.1 External short-circuit test.....	15
6.5.2 Drop test	15
6.5.3 Mechanical shock (crash hazard).....	16
6.5.4 Thermal abuse test.....	16
6.5.5 Crush	16
6.5.6 Low pressure.....	17
6.5.7 Overcharge test.....	17
6.5.8 Reverse charge test.....	18
7 Battery system safety (considering functional safety).....	18
7.1 Battery management system (BMS) (or battery management unit) – Requirements for the BMS	18
7.2 Overheating control (battery system)	19
8 EMC	20
9 Information for safety.....	20
10 Marking and designation.....	20
Annex A (informative) Battery system safety (considering functional safety) – General requirements.....	21
Bibliography.....	22
Figure 1 – Temperature profile for 6.4.3 – Temperature cycling test.....	15
Figure 2 – Examples of BMS locations and battery system configurations.....	19

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– 3 –

Table 1 – Sample size for type tests	12
Table 2 – Level of accessibility test.....	13
Table 3 – Drop test conditions	16

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**SECONDARY CELLS AND BATTERIES CONTAINING
ALKALINE OR OTHER NON-ACID ELECTROLYTES –
SEALED NICKEL-METAL HYDRIDE CELLS AND BATTERIES
FOR USE IN INDUSTRIAL APPLICATIONS –**

Part 2: Safety**FOREWORD**

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International Standard IEC 63115-2 has been prepared by subcommittee 21A: Secondary cells and batteries containing alkaline or other non-acid electrolytes, of IEC technical committee 21: Secondary cells and batteries.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
21A/735/FDIS	21A/743/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 63115 series, published under the general title *Secondary cells and batteries containing alkaline or other non-acid electrolytes – Sealed nickel-metal hydride cells and batteries for use in industrial applications*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

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SECONDARY CELLS AND BATTERIES CONTAINING ALKALINE OR OTHER NON-ACID ELECTROLYTES – SEALED NICKEL-METAL HYDRIDE CELLS AND BATTERIES FOR USE IN INDUSTRIAL APPLICATIONS –

Part 2: Safety

1 Scope

This document specifies designations, tests and requirements for the safe operation of sealed nickel-metal hydride cells and batteries used in industrial applications excluding road vehicles.

When an IEC International Standard specifying test conditions and requirements for cells used in special applications is in conflict with this document, the former takes precedence (e.g. IEC 62675).

Since this document covers batteries for various industrial applications, it includes those requirements which are common and minimum to the various applications.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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