

PRE-RELEASE VERSION (FDIS)



**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**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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FINAL DRAFT INTERNATIONAL STANDARD (FDIS)

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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

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NOTE FROM TC/SC OFFICERS:
 The document 21A/713A/RVC had comments that were supposed to be discussed during the IEC SC21A WG1

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.....	17
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

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/XX/FDIS	21A/XX/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

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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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.

IEC 60050-482, *International Electrotechnical Vocabulary – Part 482: Primary and secondary cells and batteries* (available at www.electropedia.org)

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*

ISO/IEC Guide 51, *Safety aspects – Guidelines for their inclusion in standards*