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Primary batteries - Part 1: General

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

| | |
|---|--|
| See Eesti standard EVS-EN 60086-1:2015 sisaldb Euroopa standardi EN 60086-1:2015 ingliskeelset teksti. | This Estonian standard EVS-EN 60086-1:2015 consists of the English text of the European standard EN 60086-1:2015. |
| Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas. | This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation. |
| Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 09.10.2015. | Date of Availability of the European standard is 09.10.2015. |
| Standard on kättesaadav Eesti Standardikeskusest. | The standard is available from the Estonian Centre for Standardisation. |

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

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English Version

**Primary batteries - Part 1: General
(IEC 60086-1:2015)**

Piles électriques - Partie 1: Généralités
(IEC 60086-1:2015)

Primärbatterien - Teil 1: Allgemeines
(IEC 60086-1:2015)

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

European foreword

The text of document 35/1346/FDIS, future edition 12 of IEC 60086-1, prepared by IEC/TC 35 "Primary cells and batteries" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60086-1:2015.

The following dates are fixed:

- latest date by which the document has to be implemented at (dop) 2016-06-01 national level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-09-01

This document supersedes EN 60086-1:2011.

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Endorsement notice

The text of the International Standard IEC 60086-1:2015 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated :

IEC 62281 NOTE Harmonized as EN 62281.

Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When 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 60086-2 | ¹⁾ | Primary batteries - Part 2: Physical and electrical specifications | FprEN 60086-2 | 2015 ¹⁾ |
| IEC 60086-3 | 2011 | Primary batteries - Part 3: Watch batteries | EN 60086-3 | 2011 |
| IEC 60086-4 | 2014 | Primary batteries - Part 4: Safety of lithium batteries | EN 60086-4 | 2015 |
| IEC 60086-5 | 2011 | Primary batteries - Part 5: Safety of batteries with aqueous electrolyte | EN 60086-5 | 2011 |

1) At draft stage.

CONTENTS

| | |
|---|----|
| FOREWORD | 5 |
| INTRODUCTION | 7 |
| 1 Scope | 8 |
| 2 Normative references | 8 |
| 3 Terms and definitions | 8 |
| 4 Requirements | 11 |
| 4.1 General | 11 |
| 4.1.1 Design | 11 |
| 4.1.2 Battery dimensions | 11 |
| 4.1.3 Terminals | 11 |
| 4.1.4 Classification (electrochemical system) | 13 |
| 4.1.5 Designation | 14 |
| 4.1.6 Marking | 14 |
| 4.1.7 Interchangeability: battery voltage | 15 |
| 4.2 Performance | 16 |
| 4.2.1 Discharge performance | 16 |
| 4.2.2 Dimensional stability | 16 |
| 4.2.3 Leakage | 16 |
| 4.2.4 Open-circuit voltage limits | 16 |
| 4.2.5 Service output | 16 |
| 4.2.6 Safety | 16 |
| 5 Performance – Testing | 17 |
| 5.1 General | 17 |
| 5.2 Discharge testing | 17 |
| 5.2.1 General | 17 |
| 5.2.2 Application tests | 17 |
| 5.2.3 Service output tests | 18 |
| 5.3 Conformance check to a specified minimum average duration | 18 |
| 5.4 Calculation method of the specified value of a minimum average duration | 19 |
| 5.5 OCV testing | 19 |
| 5.6 Battery dimensions | 19 |
| 5.7 Leakage and deformation | 19 |
| 6 Performance – Test conditions | 19 |
| 6.1 Storage and discharge conditions | 19 |
| 6.2 Commencement of discharge tests after storage | 20 |
| 6.3 Discharge test conditions | 20 |
| 6.3.1 General | 20 |
| 6.3.2 Compliance | 20 |
| 6.4 Load resistance | 20 |
| 6.5 Time periods | 20 |
| 6.6 Test condition tolerances | 21 |
| 6.7 Activation of 'P'-system batteries | 21 |
| 6.8 Measuring equipment | 21 |
| 6.8.1 Voltage measurement | 21 |
| 6.8.2 Mechanical measurement | 21 |
| 7 Sampling and quality assurance | 21 |

| | |
|--|----|
| 8 Battery packaging | 21 |
| Annex A (normative) Criteria for the standardization of batteries | 22 |
| Annex B (informative) Recommendations for equipment design | 23 |
| B.1 Technical liaison | 23 |
| B.2 Battery compartment | 23 |
| B.2.1 General | 23 |
| B.2.2 Limiting access by children | 24 |
| B.3 Voltage cut-off | 24 |
| Annex C (normative) Designation system (nomenclature) | 25 |
| C.1 General | 25 |
| C.2 Designation system in use up to October 1990 | 25 |
| C.2.1 General | 25 |
| C.2.2 Cells | 25 |
| C.2.3 Electrochemical system | 27 |
| C.2.4 Batteries | 28 |
| C.2.5 Modifiers | 28 |
| C.2.6 Examples | 28 |
| C.3 Designation system in use since October 1990 | 28 |
| C.3.1 General | 28 |
| C.3.2 Round batteries | 28 |
| C.3.3 Non-round batteries | 32 |
| C.3.4 Ambiguity | 35 |
| Annex D (informative) Standard discharge voltage U_S – Definition and method of determination | 37 |
| D.1 Definition | 37 |
| D.2 Determination | 37 |
| D.2.1 General considerations: the C/R -plot | 37 |
| D.2.2 Determination of the standard discharge resistor R_S | 38 |
| D.2.3 Determination of the standard discharge capacity C_S and standard discharge time t_S | 39 |
| D.3 Experimental conditions to be observed and test results | 39 |
| Annex E (informative) Preparation of standard methods of measuring performance (SMMP) of consumer goods | 41 |
| E.1 General | 41 |
| E.2 Performance characteristics | 41 |
| E.3 Criteria for the development of test methods | 41 |
| Annex F (informative) Calculation method for the specified value of minimum average duration | 42 |
| Annex G (normative) Code of practice for packaging, shipment, storage, use and disposal of primary batteries | 43 |
| G.1 General | 43 |
| G.2 Packaging | 43 |
| G.3 Transport and handling | 43 |
| G.4 Storage and stock rotation | 43 |
| G.5 Displays at sales points | 44 |
| G.6 Selection, use and disposal | 44 |
| G.6.1 Purchase | 44 |
| G.6.2 Installation | 44 |
| G.6.3 Use | 44 |

| | | |
|--|-------------------|----|
| G.6.4 | Replacement | 45 |
| G.6.5 | Disposal | 45 |
| Bibliography..... | | 46 |
| Figure 1 – Ingestion gauge | 11 | |
| Figure C.1 – Designation system for round batteries: $d_1 < 100$ mm; height $h_1 < 100$ mm | 29 | |
| Figure C.2 – Diameter code for non-recommended diameters | 30 | |
| Figure C.3 – Height code for denoting the hundredths of a millimetre of height | 31 | |
| Figure C.4 – Designation system for round batteries: $d_1 \geq 100$ mm; height $h_1 \geq 100$ mm | 32 | |
| Figure C.5 – Designation system for non-round batteries, dimensions < 100 mm | 33 | |
| Figure C.6 – Designation system for non-round batteries, dimensions ≥ 100 mm | 34 | |
| Figure C.7 – Height code for discrimination per tenth of a millimetre | 35 | |
| Figure D.1 – Normalized C/R -plot (schematic) | 38 | |
| Figure D.2 – Standard discharge voltage (schematic) | 39 | |
| Table 1 – Standardized electrochemical systems | 13 | |
| Table 2 – Marking requirements | 15 | |
| Table 3 – Conditions for storage before and during discharge testing | 19 | |
| Table 4 – Resistive loads for new tests | 20 | |
| Table 5 – Time periods for new tests | 20 | |
| Table 6 – Test condition tolerances | 21 | |
| Table A.1 – Items necessary to standardize | 22 | |
| Table C.1 – Physical designation and dimensions of round cells and batteries | 26 | |
| Table C.2 – Physical designation and nominal overall dimensions of flat cells | 27 | |
| Table C.3 – Physical designation and dimensions of square cells and batteries | 27 | |
| Table C.4 – Diameter code for recommended diameter | 30 | |
| Table C.5 – Physical designation and dimensions of round cells and batteries based on Clause C.2 | 36 | |
| Table C.6 – Physical designation and dimensions of non-round batteries based on Clause C.2 | 36 | |
| Table D.1 – Standard discharge voltage by system | 40 | |

INTRODUCTION

The technical content of this part of IEC 60086 provides fundamental requirements and information on primary cells and batteries. All batteries within the IEC 60086 series are considered dry cell batteries. In this sense, IEC 60086-1 is the main component of the IEC 60086 series and forms the basis for the subsequent parts. For example, this part includes elementary information on definitions, nomenclature, dimensions and marking. While specific requirements are included, the content of this part tends to explain methodology (how) and justification (why).

Over the years, this part has been changed to improve its content and remains under continual scrutiny to ensure that the publication is kept up to date with the advances in both battery and battery-powered device technologies.

NOTE Safety information is available in IEC 60086-4, IEC 60086-5 and IEC 62281.