

Primary batteries - Part 3: Watch batteries

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 60086-3:2011 sisaldab Euroopa standardi EN 60086-3:2011 ingliskeelset teksti.

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This Estonian standard EVS-EN 60086-3:2011 consists of the English text of the European standard EN 60086-3:2011.

This standard is ratified with the order of Estonian Centre for Standardisation dated 30.04.2011 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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English version

**Primary batteries -
Part 3: Watch batteries
(IEC 60086-3:2011)**

Piles primaires -
Partie 3: Piles pour montres
(CEI 60086-3:2011)

Primärbatterien -
Teil 3: Uhrenbatterien
(IEC 60086-3:2011)

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CENELEC

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

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Foreword

The text of document 35/1286/FDIS, future edition 3 of IEC 60086-3, prepared by IEC TC 35, Primary cells and batteries, and ISO TC 114, Horology, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60086-3 on 2011-03-02.

This European Standard supersedes EN 60086-3:2005.

The major technical changes with respect to EN 60086-3:2005 are the drawings, a review of the table of electrochemical systems and a harmonization of the marking clause with the other standards of the EN 60086 series. Moreover, the table of the leakage levels was extended by adding drawings with better visualization.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

The following dates were fixed:

- | | | |
|--|-------|------------|
| – latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement | (dop) | 2011-12-02 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn | (dow) | 2014-03-02 |

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60086-3:2011 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 60068-2-78:2001	NOTE	Harmonized as EN 60068-2-78:2001 (not modified).
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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60086-1	2011	Primary batteries - Part 1: General	EN 60086-1	201X ¹⁾
IEC 60086-2	2011	Primary batteries - Part 2: Physical and electrical specifications	EN 60086-2	201X ¹⁾
IEC 60086-4	2007	Primary batteries - Part 4: Safety of lithium batteries	EN 60086-4	2007
IEC 60086-5	2011	Primary batteries - Part 5: Safety of batteries with aqueous electrolyte	EN 60086-5	200X ¹⁾
IEC 60410	-	Sampling plans and procedures for inspection - by attributes	-	-
ISO 2859	series	Sampling procedures for inspection by attributes	-	-
ISO 3951	series	Sampling procedures for inspection by variables	-	-

¹⁾ To be published.

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INTRODUCTION

The technical content of this part of IEC 60086 provides specific requirements and information for primary watch batteries. This part was prepared through joint work between IEC TC 35 and ISO TC 114 to benefit primary battery users, watch designers and battery manufacturers by ensuring the best compatibility between batteries and watches.

This part will remain under continual scrutiny to ensure that the publication is kept up to date with the advances in both battery and watch technologies.

NOTE Safety information can be found in IEC 60086-4 and IEC 60086-5.

This document is a preview generated by EVS

PRIMARY BATTERIES –

Part 3: Watch batteries

1 Scope

This part of IEC 60086 specifies dimensions, designation, methods of tests and requirements for primary batteries for watches. In several cases, a menu of test methods is given. When presenting battery electrical characteristics and/or performance data, the manufacturer specifies which test method was used.

2 Normative references

The following referenced documents are indispensable for the application 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 60086-1:-¹, *Primary batteries – Part 1: General*

IEC 60086-2:-², *Primary batteries – Part 2: Physical and electrical specifications*

IEC 60086-4:2007, *Primary batteries – Part 4: Safety of lithium batteries*

IEC 60086-5:-³, *Primary batteries – Part 5: Safety of batteries with aqueous electrolyte*

IEC 60410, *Sampling plans and procedures for inspection by attributes*

ISO 2859 (all parts), *Sampling procedures for inspection by attributes*

ISO 3951(all parts as applicable), *Sampling procedures for inspection by variables*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 60086-1 as well as the following terms and definitions apply.

3.1

capacitive reactance

part of the internal resistance, that leads to a voltage drop during the first seconds under load

3.2

capacity

electric charge (quantity of electricity) which a cell or battery can deliver under specified discharge conditions

NOTE The SI unit for electric charge is the coulomb (1 C = 1 As) but, in practice, capacity is usually expressed in ampere hours (Ah).

¹ To be published in 2011.

² To be published in 2011.

³ To be published in 2011.