

**Üldotstarbelised plii-happeakud (ventiilreguleeritavad).
Osa 1: Üldnõuded, funktsionaalsed omadused.
Katsetamismeetodid**

General purpose lead-acid batteries (valve-regulated types) - Part 1: General requirements, functional characteristics - Methods of test (IEC 61056-1:2012)

EESTI STANDARDI EESSÕNA	NATIONAL FOREWORD
See Eesti standard EVS-EN 61056-1:2012 sisaldab Euroopa standardi EN 61056-1:2012 ingliskeelset teksti.	This Estonian standard EVS-EN 61056-1:2012 consists of the English text of the European standard EN 61056-1:2012.
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 14.12.2012.	Date of Availability of the European standard is 14.12.2012.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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English version

**General purpose lead-acid batteries (valve-regulated types) -
Part 1: General requirements, functional characteristics -
Methods of test
(IEC 61056-1:2012)**

Batteries d'accumulateurs au plomb-acide
pour usage général (types à soupapes) -
Partie 1: Exigences générales et
caractéristiques fonctionnelles -
Méthodes d'essai
(CEI 61056-1:2012)

Bleibatterien für allgemeine Anwendungen
(verschlossen) -
Teil 1: Allgemeine Anforderungen,
Eigenschaften -
Prüfverfahren
(IEC 61056-1:2012)

This European Standard was approved by CENELEC on 2012-03-28. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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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 21/768/FDIS, future edition 3 of IEC 61056-1, prepared by IEC/TC 21 "Secondary cells and batteries" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61056-1:2012.

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) 2013-06-14
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2015-03-28

This document supersedes EN 61056-1:2003.

The main changes consist in adding new battery designations and an update of the requirements like the one concerning the marking.

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Endorsement notice

The text of the International Standard IEC 61056-1:2012 was approved by CENELEC as a European Standard without any modification.

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

IEC 60051-1	NOTE	Harmonized as EN 60051-1.
IEC 60051-2	NOTE	Harmonized as EN 60051-2.
IEC 60095 series	NOTE	Harmonized in EN 60095 series.
IEC 60254 series	NOTE	Harmonized in EN 60254 series.
IEC 60359	NOTE	Harmonized as EN 60359.
IEC 60896 series	NOTE	Harmonized in EN 60896 series.
IEC 61429	NOTE	Harmonized as EN 61429.

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 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 60417	Data-base	Graphical symbols for use on equipment	-	-
IEC 60445	-	Basic and safety principles for man-machine interface, marking and identification - Identification of equipment terminals, conductor terminations and conductors	EN 60445	-
IEC 61056-2	2012	General purpose lead-acid batteries (valve-regulated types) - Part 2: Dimensions, terminals and marking	EN 61056-2	2012

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