

SLOVENSKI STANDARD SIST EN 61056-2:2013

01-marec-2013

Svinčeve kislinske baterije (tipi z ventilsko regulacijo) - 2. del: Mere, priključki in označevanje

General purpose lead acid batteries (valve regulated types) - Part 2: Dimensions, terminals and marking

Bleibatterien für allgemeine Anwendungen (verschlossen) - Teil 2: Maße, Anschlüsse und Kennzeichnung iTeh STANDARD PREVIEW

(standards.iteh.ai)
Batteries d'accumulateurs au plomb-acide pour usage général (types à soupapes) -Partie 2: Dimensions, bornes et marquage, 61056-2:2013

https://standards.iteh.ai/catalog/standards/sist/f6da0def-b131-4fbc-813f-

Ta slovenski standard je istoveten z: EN 61056-2-2013

ICS:

29.220.20 Kislinski sekundarni členi in Acid secondary cells and

batteries baterije

SIST EN 61056-2:2013 en **SIST EN 61056-2:2013**

iTeh STANDARD PREVIEW (standards.iteh.ai)

<u>SIST EN 61056-2:2013</u> https://standards.iteh.ai/catalog/standards/sist/f6da0def-b131-4fbc-813f-253720e3a2b8/sist-en-61056-2-2013

EUROPEAN STANDARD

EN 61056-2

NORME FUROPÉENNE **EUROPÄISCHE NORM**

December 2012

ICS 29.220.20

Supersedes EN 61056-2:2003

English version

General purpose lead-acid batteries (valve-regulated types) -Part 2: Dimensions, terminals and marking

(IEC 61056-2:2012 + corrigendum Oct. 2012)

Batteries d'accumulateurs au plomb-acide pour usage général (types à soupapes) -Partie 2: Dimensions, bornes et marquage (CEI 61056-2:2012 + corrigendum Oct. 2012)

Bleibatterien für allgemeine Anwendungen (verschlossen) -Teil 2: Maße, Anschlüsse und Kennzeichnung (IEC 61056-2:2012 + corrigendum Oct. 2012)

iTeh STANDARD PREVIEW (standards.iteh.ai)

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 alterations/sist/f6da0def-b131-4fbc-813f-

253720e3a2b8/sist-en-61056-2-2013
Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 21/766/FDIS, future edition 3 of IEC 61056-2, prepared by IEC/TC 21 "Secondary cells and batteries" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61056-2:2012.

The following dates are fixed:

•	latest date by which the document has to be implemented at national level by	(dop)	2013-06-14
•	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)	2015-03-28

This document supersedes EN 61056-2:2003.

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

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

(standards.iteh.ai)

Endorsement notice

The text of the International Standard IEC 6:1056-2:2012 Was approved by CENELEC as a European Standard without any modification. 253720e3a2b8/sist-en-61056-2-2013

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

IEC 60051-1:1997	NOTE	Harmonized as EN 60051-1:1998 (not modified).
IEC 60095 series	NOTE	Harmonized in EN 60095 series.
IEC 60254 series	NOTE	Harmonized in EN 60254 series.
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>	EN/HD	<u>Year</u>
IEC 60445	-	Basic and safety principles for man-machine interface, marking and identification - Identification of equipment terminals, conductor terminations and conductors	EN 60445	-
IEC 61056-1	2012	General purpose lead-acid batteries (valve- regulated types) - Part 1: General requirements, functional characteristics - Methods of test	EN 61056-1	2012

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN 61056-2:2013 https://standards.iteh.ai/catalog/standards/sist/f6da0def-b131-4fbc-813f-253720e3a2b8/sist-en-61056-2-2013 **SIST EN 61056-2:2013**

iTeh STANDARD PREVIEW (standards.iteh.ai)

<u>SIST EN 61056-2:2013</u> https://standards.iteh.ai/catalog/standards/sist/f6da0def-b131-4fbc-813f-253720e3a2b8/sist-en-61056-2-2013



IEC 61056-2

Edition 3.0 2012-02

INTERNATIONAL STANDARD

NORME INTERNATIONALE

General purpose lead-acid batteries (valve-regulated types) – Part 2: Dimensions, terminals and marking teh.ai)

Batteries d'accumulateurs au plomb-acide pour usage général (types à soupapes) – https://standards.iteh.ai/catalog/standards/sist/f6da0def-b131-4fbc-813f-Partie 2: Dimensions, bornes et marquage 1056-2-2013

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ELECTROTECHNIQUE INTERNATIONALE

PRICE CODE CODE PRIX M

ICS 29.220.20

ISBN 978-2-88912-894-5

Warning! Make sure that you obtained this publication from an authorized distributor.

Attention! Veuillez vous assurer que vous avez obtenu cette publication via un distributeur agréé.

CONTENTS

FΟ	REWORD	3
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Dimensions	6
5	Terminals	6
6	Marking	6
	6.1 Marking of polarity	6
	6.2 Marking items	
7	Classification of battery-shapes	
8	Classification of terminal types	9
Bib	oliography	12
_	ure 1 – P-type batteries	
-	ure 2 – C-type cells	
	ure 3 – F-contacts (flat contacts)	
Fig	ure 4 – B-contacts (bolt and nut system) A.R.D.P.R.E.V.I.R.W	10
	ure 5 – Lead-type terminal (standards.iteh.ai)	
Fig	ure 6 – Screw contacts	11
Fig	ure 7 – K-contact (button-contact) SIST EN-61056-2:2013	11
	https://standards.iteh.ai/catalog/standards/sist/f6da0def-b131-4fbc-813f-	
Tab	ble 1 – Prismatic design (P-type)	7
Tab	ble 2 – Cylindrical shape (C-type)	8

INTERNATIONAL ELECTROTECHNICAL COMMISSION

GENERAL PURPOSE LEAD-ACID BATTERIES (VALVE-REGULATED TYPES) –

Part 2: Dimensions, terminals and marking

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
- 5) IEC itself does not provide any attestation of conformity Independent certification bodies provide conformity assessment services and, in some areas, access to IEC marks of conformity. IEC is not responsible for any services carried out by independent certification bodies.
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 61056-2 has been prepared by IEC technical committee 21: Secondary cells and batteries.

This third edition cancels and replaces the second edition of IEC 61056-2 published in 2002. It constitutes a technical revision.

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