



# SLOVENSKI STANDARD SIST EN IEC 62485-4:2018

01-oktober-2018

Nadomešča:  
SIST EN 50272-4:2007

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**Varnostne zahteve za sekundarne baterije in baterijske naprave - 4. del: Z ventili regulirane svinčeve baterije za prenosne aparate**

Safety requirements for secondary batteries and battery installations - Part 4: Valve-regulated lead-acid batteries for use in portable appliances

**iTeh STANDARD PREVIEW**  
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Exigences de sécurité pour les batteries d'accumulateurs et les installations de batteries - Partie 4: Batteries au plomb à soupapes pour appareils portables

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**Ta slovenski standard je istoveten z: EN IEC 62485-4:2018**

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**ICS:**

29.220.20	Kislinski sekundarni členi in baterije	Acid secondary cells and batteries
29.220.30	Alkalni sekundarni členi in baterije	Alkaline secondary cells and batteries

**SIST EN IEC 62485-4:2018** en

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EUROPEAN STANDARD

**EN IEC 62485-4**

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2018

ICS 29.220.20; 29.220.30

Supersedes EN 50272-4:2007

English Version

**Safety requirements for secondary batteries and battery installations - Part 4: Valve-regulated lead-acid batteries for use in portable appliances  
(IEC 62485-4:2015)**

Exigences de sécurité pour les batteries d'accumulateurs et les installations de batteries - Partie 4: Batteries au plomb à soupapes pour appareils portables  
(IEC 62485-4:2015)

Sicherheitsanforderungen an Sekundär-Batterien und Batterieanlagen - Teil 4: Verschlussene Bleibatterien zur Anwendung in tragbaren Geräten  
(IEC 62485-4:2015)

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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

**EN IEC 62485-4:2018 (E)****European foreword**

This document (EN IEC 62485-4:2018) consists of the text of IEC 62485-4:2015 prepared by IEC/TC 21 "Secondary cells and batteries".

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2019-04-09
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2021-04-09

This document supersedes EN 50272-4:2007.

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The text of the International Standard IEC 62485-4:2015 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 60086-1	NOTE Harmonized as EN 60086-1.
IEC 60086-2	NOTE Harmonized as EN 60086-2.
IEC 60086-3	NOTE Harmonized as EN 60086-3.
IEC 60086-4	NOTE Harmonized as EN 60086-4.
IEC 60086-5	NOTE Harmonized as EN 60086-5.
IEC 61056-1	NOTE Harmonized as EN 61056-1.
IEC 61056-2	NOTE Harmonized as EN 61056-2.
IEC 62133	NOTE Harmonized as EN 62133.
IEC 62425-2	NOTE Harmonized as EN 62425-2.

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where 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](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-482	2004	International Electrotechnical Vocabulary (IEV) -- Part 482: Primary and secondary cells and batteries	-	-
IEC 60417-DB	-	Graphical symbols for use on equipment	-	-
IEC 61429	1995	Marking of secondary cells and batteries with the international recycling symbol ISO 7000-1135 and indications regarding directives 93/86/EEC and 91/157/EEC	EN 61429	1996
-	-	-	+ A11	1998
-	-	-	+ corrigendum Oct.	1998
ISO 7000	-	Graphical symbols for use on equipment - Registered symbols	-	-

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IEC 62485-4

Edition 1.0 2015-01

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

**Safety requirements for secondary batteries and battery installations –  
Part 4: Valve-regulated lead-acid batteries for use in portable appliances**

**Exigences de sécurité pour les batteries d'accumulateurs et les installations  
de batteries –**  
**Partie 4: Batteries au plomb à soupapes pour appareils portables**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**SAFETY REQUIREMENTS FOR SECONDARY BATTERIES  
AND BATTERY INSTALLATIONS –**
**Part 4: Valve-regulated lead-acid batteries  
for use in portable appliances**

## FOREWORD

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International Standard IEC 62485-4 has been prepared by IEC technical committee 21: Secondary cells and batteries.

This first edition cancels and replaces the first edition of IEC TR 61056-3 published in 1991. It constitutes a technical revision.

This edition includes the following significant technical changes with respect to the IEC TR 61056-3:

- a) updating of the requirements, and harmonisation of the text for consistency with the IEC 62485 series.