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SIST EN 62660-2:2011

Sekundarni litij-ionski člani za pogon električnih cestnih vozil - 2. del: Preskušanje zanesljivosti in izrabljivosti

Secondary lithium-ion cells for the propulsion of electric road vehicles - Part 2: Reliability and abuse testing

Lithium-Ionen-Sekundärzellen für den Antrieb von Elektrostraßenfahrzeugen - Teil 2: Zuverlässigkeits- und Missbrauchsprüfung

Éléments d'accumulateurs lithium-ion pour la propulsion des véhicules routiers électriques - Partie 2: Essais de fiabilité et de traitement abusif

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English Version

**Secondary lithium-ion cells for the propulsion of electric road
vehicles - Part 2: Reliability and abuse testing
(IEC 62660-2:2018)**

Éléments d'accumulateurs lithium-ion pour la propulsion
des véhicules routiers électriques - Partie 2: Essais de
fiabilité et de traitement abusif
(IEC 62660-2:2018)

Sekundärbatterien für den Antrieb von
Elektrostraßenfahrzeugen - Teil 2: Zuverlässigkeits- und
Missbrauchsprüfung von Lithium-Ionen-Zellen
(IEC 62660-2:2018)

This European Standard was approved by CENELEC on 2019-01-16. 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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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 62660-2:2019 (E)**European foreword**

The text of document 21/976/FDIS, future edition 2 of IEC 62660-2, prepared by IEC/TC 21 "Secondary cells and batteries" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62660-2:2019.

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) 2019-10-16
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-01-16

This document supersedes EN 62660-2:2011.

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

IEC 62660-1	NOTE	Harmonized as EN 62660-1
IEC 62660-3	NOTE	Harmonized as EN 62660-3
IEC 61434:1996	NOTE	Harmonized as EN 61434:1996 (not modified)

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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-2-64	-	Environmental testing - Part 2-64: Tests - Test Fh: Vibration, broadband random and guidance	EN 60068-2-64	-
ISO 16750-3	-	Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 3: Mechanical loads	-	-
ISO 16750-4	-	Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 4: Climatic loads	-	-
ISO/TR 8713	-	Electrically propelled road vehicles - Vocabulary	-	-

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NORME INTERNATIONALE



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Part 2: Reliability and abuse testing**

**Éléments d'accumulateurs lithium-ion pour la propulsion des véhicules routiers
électriques –
Partie 2: Essais de fiabilité et de traitement abusif**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**SECONDARY LITHIUM-ION CELLS FOR
THE PROPULSION OF ELECTRIC ROAD VEHICLES –****Part 2: Reliability and abuse testing**

FOREWORD

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International Standard IEC 62660-2 has been prepared by IEC technical committee 21: Secondary cells and batteries.

This second edition cancels and replaces the first edition published in 2010. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) The procedure of forced discharge test has been clarified (6.4.3.2).
- b) "Cell block" has been added to the scope (Clause 1).
- c) Option of temperature cycling test with electrical operation has been deleted (6.3.2).
- d) The test conditions for overcharge test have been revised (6.4.2.2).

The text of this International Standard is based on the following documents:

FDIS	Report on voting
21/976/FDIS	21/986/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all the parts in the IEC 62660 series, published under the general title *Secondary lithium-ion cells for the propulsion of electric road vehicles*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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