

STN	Lítium-iónové kondenzátory na používanie v elektrických a elektronických zariadeniach Metódy skúšania elektrických charakteristík	STN EN IEC 62813 35 8230
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Lithium ion capacitors for use in electric and electronic equipment - Test methods for electrical characteristics

Táto norma obsahuje anglickú verziu európskej normy.

This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 04/25

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN IEC 62813

February 2025

ICS 31.060.99

Supersedes EN 62813:2015

English Version

**Lithium ion capacitors for use in electric and electronic
equipment - Test methods for electrical characteristics
(IEC 62813:2025)**

Condensateurs au lithium-ion destinés à être utilisés dans
les équipements électriques et électroniques - Méthodes
d'essai relatives aux caractéristiques électriques
(IEC 62813:2025)

Lithium-Ionen-Kondensatoren zur Verwendung in
elektrischen und elektronischen Geräten - Prüfverfahren für
die elektrischen Kennwerte
(IEC 62813:2025)

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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 62813:2025 (E)**European foreword**

The text of document 40/3178/FDIS, future edition 2 of IEC 62813, prepared by TC 40 "Capacitors and resistors for electronic equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62813:2025.

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

IEC 61881-3:2012	NOTE	Approved as EN 61881-3:2012 (not modified)
IEC 62391-1:2022	NOTE	Approved as EN IEC 62391-1:2022 (not modified)
IEC 62576:2018	NOTE	Approved as EN IEC 62576:2018 (not modified)

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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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 60068-1	2013	Environmental testing - Part 1: General and guidance	EN 60068-1	2014



IEC 62813

Edition 2.0 2025-01

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Lithium-ion capacitors for use in electric and electronic equipment –
Test methods for electrical characteristics**

**Condensateurs au lithium-ion destinés à être utilisés dans les équipements
électriques et électroniques – Méthodes d'essai relatives aux caractéristiques
électriques**

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Edition 2.0 2025-01

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**LITHIUM-ION CAPACITORS FOR USE
IN ELECTRIC AND ELECTRONIC EQUIPMENT –
TEST METHODS FOR ELECTRICAL CHARACTERISTICS****FOREWORD**

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IEC 62813 has been prepared by IEC technical committee 40: Capacitors and resistors for electronic equipment. It is an International Standard.

This second edition cancels and replaces the first edition published in 2015. This edition constitutes a technical revision.

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

- a) The document has been restructured to comply with the ISO/IEC Directives, Part 2.

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

Draft	Report on voting
40/3178/FDIS	40/3195/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

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LITHIUM-ION CAPACITORS FOR USE IN ELECTRIC AND ELECTRONIC EQUIPMENT – TEST METHODS FOR ELECTRICAL CHARACTERISTICS

1 Scope

This International Standard specifies the electrical characteristics (capacitance, internal resistance, discharge accumulated electric energy, and voltage maintenance rate) test methods of lithium-ion capacitors (LIC) for use in electric and electronic equipment.

2 Normative references

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.

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