IEC 62133-2

Edition 1.1 2021-07
CONSOLIDATED VERSION

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications –
Part 2: Lithium systems

Accumulateurs alcalins et autres accumulateurs à électrolyte non acide – Exigences de sécurité pour les accumulateurs portables étanches, et pour les batteries qui en sont constituées, destinés à l'utilisation dans des applications portables –
Partie 2: Systèmes au lithium

IEC 62133-2:2007-02+AMD1:2021-07 CSV(en-fr)

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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SECONDARY CELLS AND BATTERIES CONTAINING ALKALINE OR OTHER NON-ACID ELECTROLYTES – SAFETY REQUIREMENTS FOR PORTABLE SEALED SECONDARY CELLS, AND FOR BATTERIES MADE FROM THEM, FOR USE IN PORTABLE APPLICATIONS –

Part 2: Lithium systems

FOREWORD

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IEC 62133-2 edition 1.1 contains the first edition (2017-02) [documents 21A/620/FDIS and 21A/628/RVD] and its amendment 1 (2021-07) [documents 21A/760/FDIS and 21A/729B/RVD].

In this Redline version, a vertical line in the margin shows where the technical content is modified by amendment 1. Additions are in green text, deletions are in strikethrough red text. A separate Final version with all changes accepted is available in this publication.

International Standard IEC 62133-2 has been prepared by subcommittee 21A: Secondary cells and batteries containing alkaline or other non-acid electrolytes, of IEC technical committee 21: Secondary cells and batteries.

This first edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to IEC 62133:2012:

– separation of nickel systems into a separate Part 1;
– inclusion of coin cell requirements;
– update of assembly of cells into batteries (5.6);
– mechanical tests [vibration, shock] (7.3.8.1, 7.3.8.2);
– insertion of IEC TR 62914 within the Bibliography.

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

The following different practices of a less permanent nature exist in the countries indicated below.

7.3.9: Design evaluation – Forced internal short-circuit test only applies to Korea, Japan, Switzerland and France.

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