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**JIS C 8711** : 2019

(BAJ/JSA)

**Secondary cells and batteries  
containing alkaline or other  
non-acid electrolytes—Secondary  
lithium cells and batteries for  
portable applications**

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In the event of any doubts arising as to the contents,  
the original JIS is to be the final authority.

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## Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Battery Association of Japan (BAJ)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS C 8711:2013**), which has been technically revised.

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# Secondary cells and batteries containing alkaline or other non-acid electrolytes— Secondary lithium cells and batteries for portable applications

## Introduction

This Japanese Industrial Standard has been prepared based on **IEC 61960-3:2017**, Edition 1, with some modifications of the technical contents.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

## 1 Scope

This Standard specifies requirements for secondary lithium single cells and secondary lithium batteries (hereafter referred to as secondary lithium cells and batteries) for portable applications.

The objective of this Standard is to provide the purchasers and users of secondary lithium cells and batteries with a set of criteria with which they can judge the performance of secondary lithium cells and batteries offered by various manufacturers.

Portable applications comprise hand-held equipment, transportable equipment and movable equipment.

Examples of the main portable applications are shown below:

- a) hand-held equipment: smartphone, tablet PCs, audio/video players, and similar equipment;
- b) transportable equipment: notebook computers, CD players, and similar equipment;
- c) movable equipment: either of the following:
  - 18 kg or less in mass and not fixed in place;
  - provided with wheels, castors, or other similar means to facilitate movement by an ordinary person as required to perform its intended use;
  - power tools, power assisted cycles, business-use video cameras, and similar equipment.

**NOTE 1** All applications using batteries whose nominal voltages are equal to or over the hazardous voltage of 60 V DC are excluded.

**NOTE 2** EESS (Electrical Energy Storage Systems) and UPS, which use batteries over 500 Wh of electric energy are excluded.

**NOTE 3** Self-propelled vehicles are excluded.

This Standard defines a minimum required level of performance and a standardized methodology by which testing is performed and the results of this testing reported to the user. Hence, users will be able to establish the viability of commercially available