

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS C 8715-1 : 2018

(BAJ/JSA)

**Secondary lithium cells and batteries
for use in industrial applications—
Part 1: Tests and requirements of
performance**

ICS 29.220.99

Reference number : JIS C 8715-1 : 2018 (E)

Date of Establishment: 2012-11-20

Date of Revision: 2018-02-20

Date of Public Notice in Official Gazette: 2018-02-20

Investigated by: Japanese Industrial Standards Committee
Standards Board for IEC area

JIS C 8715-1:2018, First English edition published in 2018-05

Translated and published by: Japanese Standards Association
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

In the event of any doubts arising as to the contents,
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Printed in Japan

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Foreword

This translation has been made based on the original Japanese Industrial Standard 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) and Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14. Consequently **JIS C 8715-1:2012** is replaced with this Standard.

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JIS C 8715 series consist of the following two parts under the general title “*Secondary lithium cells and batteries for use in industrial applications*—”

Part 1: Tests and requirements of performance

Part 2: Tests and requirements of safety

Secondary lithium cells and batteries for use in industrial applications— Part 1: Tests and requirements of performance

Introduction

This Japanese Industrial Standard has been prepared based on **IEC 62620:2014**, Edition 1, with some modifications of the technical contents, aimed at conformance with the relevant **JIS**.

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 the requirements of performance and marking for lithium secondary cells and batteries (hereafter referred to as “cells” and “battery systems”, respectively) used in industrial applications including stationary applications.

When there exists a **JIS** or **IEC** standard specifying test conditions and requirements for cells used in special applications and which do not conflict with this Standard, the former takes precedence (e.g. **IEC 62660** series on road vehicles).

This Standard is applicable to the secondary lithium cells and batteries for stationary application and mobile application for industrial use. Practical examples for main applications are as follows.

- a) **Stationary applications:** telecom, uninterruptible power supplies (UPS), electrical energy storage system, circuit switching, emergency power and similar applications.
- b) **Motive applications:** fork-lift truck, golf cart, automated guided vehicle (AGV), railway, and marine, including road vehicles.

NOTE 1 Some lithium secondary cells are intended for portable devices. The performances of such secondary lithium cells and batteries are specified in **JIS C 8711**.

Since this standard covers batteries for various industrial applications, it includes those requirements, which are common and minimum to the various applications.

This standard applies to cells and batteries. If the battery is divided into smaller units, the smaller unit can be tested as the representative of the battery. The manufacturer clearly declares the tested unit. The manufacturer may add functions, which are present in the final battery, to the tested unit.

The safety requirements for secondary lithium cells and batteries for use in industrial applications are specified in **JIS C 8715-2**.