

JAPANESE INDUSTRIAL STANDARD

Translated and Published by Japanese Standards Association

JIS C 8715-1:2012

(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: 2012 (E)

C 8715-1:2012

Date of Establishment: 2012-11-20

Date of Public Notice in Official Gazette: 2012-11-20

Investigated by: Japanese Industrial Standards Committee

Standards Board

Technical Committee on Electricity Technology

JIS C 8715-1: 2012, First English edition published in 2014-06

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, the original JIS is to be the final authority.

© JSA 2014

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Printed in Japan KK/HN

This is a preview. Click here to purchase the full publication.

Contents

	Paş	ge
1	Scope	
2	Normative references · · · · · · · · · · · · · · · · · · ·	
3	Terms and definitions ····································	
4 4.1 4.2 4.3 4.4	Classification 4 Classification according to discharge type 4 Classification according to application 5 Classification according to temperature class of low temperature 5 Classification according to temperature class of high temperature 5	
5 5.1 5.2 5.3 5.4 5.5 5.6 5.7 5.8	Requirements of performance5General matters5Discharge performance6Low-temperature discharge performance6High-rate discharge performance6Capacity retention rate and capacity recovery rate7Internal resistance7Charge-discharge cycle durability7Standby state retaining durability7	
6	Requirements of safety	
7 7.1 7.2	Shapes and materials of cell	
8 8.1 8.2 8.3 8.4 8.5 8.6 8.7	Test methods8General matters8Measurement tolerances on parameters9Charging procedure for testing9Discharge performance test10Capacity retention rate and capacity recovery rate test11Internal resistance test11Durability test12	
9 9.1 9.2	Type test	
10 10.1 10.2	Designation	

C 8715-1:2012

10.3	Designation of battery system ·····	18
10.4	Notation of configuration of battery system ······	19
11	Marking ·····	24