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# UL 2595

## **STANDARD FOR SAFETY**

### General Requirements for Battery-Powered Appliances



UL Standard for Safety for General Requirements for Battery-Powered Appliances, UL 2595

Second Edition, Dated September 9, 2015

### **Summary of Topics**

***This new Bi-National Standard for ANSI/UL 2595, Standard for General Requirements for Battery-Powered Appliances Resulting includes the following changes:***

- ***Revisions to Add References to the Applicable CSA Standards;***
- ***New and Clarified Definitions;***
- ***Clarifications and New Requirements for Markings and Instructions;***
- ***Clarification of Requirements for Harnesses;***
- ***Clarification that All Cells Shall Comply with the Requirements of UL 62133; and***
- ***Revision of indent G Instructions Providing Guidance that the End Product Standard be Revised to Also Include a Statement that UL 2595 Functional Safety Requirements for an Electronic Safety Control Circuit Fulfills the Requirements of the End-Product Standard.***

The new requirements are substantially in accordance with Proposal(s) on this subject dated February 13, 2015 and May 15, 2015.

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CSA Group  
CSA C22.2 No. 0.23  
First Edition



Underwriters Laboratories Inc.  
UL 2595  
Second Edition

## General Requirements for Battery-Powered Appliances

September 9, 2015



ANSI/UL 2595-2015

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This standard is issued jointly by the Canadian Standards Association (operating as “CSA Group”) and Underwriters Laboratories Inc. (UL). Comments or proposals for revisions on any part of the standard may be submitted to CSA Group or UL at anytime. Revisions to this standard will be made only after processing according to the standards development procedures of CSA Group and UL. CSA Group and UL will issue revisions to this standard by means of a new edition or revised or additional pages bearing their date of issue.

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## **ISBN 978-1-77139-916-6 © 2015 CSA Group**

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This ANSI/UL Standard for Safety consists of the Second Edition. The most recent designation of ANSI/UL 2595 as an American National Standard (ANSI) occurred on September 9, 2015. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page (front and back), or the Preface.

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## PREFACE

This is the harmonized CSA Group and UL standard for General Requirements for Battery-Powered Appliances. It is the first edition of CSA C22.2 No. 023, and the second edition of UL 2595. This edition of UL 2595 supersedes the previous edition published on May 22, 2013.

This harmonized standard was prepared by the CSA Group and Underwriters Laboratories Inc. (UL).

This standard is considered suitable for use for conformity assessment within the stated scope of the standard.

This standard was reviewed by the CSA Subcommittee on Batteries and Battery Systems, under the jurisdiction of the CSA Technical Committee on General Requirements, CE Code, Part II and the CSA Strategic Steering Committee on Requirements for Electrical Safety, and has been formally approved by the CSA Technical Committee.

This standard has been approved by the American National Standards Institute (ANSI) as an American National Standard.

### Application of Standard

Where reference is made to a specific number of samples to be tested, the specified number is to be considered a minimum quantity.

**Note:** Although the intended primary application of this standard is stated in its scope, it is important to note that it remains the responsibility of the users of the standard to judge its suitability for their particular purpose.

### Level of Harmonization

This standard is published as an identical standard for CSA Group and UL.

An identical standard is a standard that is exactly the same in technical content except for national differences resulting from conflicts in codes and governmental regulations. Presentation is word for word except for editorial changes.

### Reasons for Differences From IEC

This standard is the result of many source documents including IEC 60745-1 Ed. 4.0 b:2006 and IEC 62841-1 Ed. 1.0. This standard is not based on a single IEC document.

### Interpretations

The interpretation by the standards development organization of an identical or equivalent standard is based on the literal text to determine compliance with the standard in accordance with the procedural rules of the standards development organization. If more than one interpretation of the literal text has been identified, a revision is to be proposed as soon as possible to each of the standards development organizations to more accurately reflect the intent.