



CSA C22.2 No. 107.3:14
National Standard of Canada
(reaffirmed 2019)



Uninterruptible power systems



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Revision History

CSA C22.2 No. 107.3:14, Uninterruptible power systems — originally published June 2014

Note: For information about the *Standards Update Service* or if you are missing any updates go to www.csagroup.org/store/ or techsupport@csagroup.org.

Revisions issued: Update No. 1 — October 2017

Update No. 2 — April 2023	Revision symbol (in margin)
Cover, Titlepage, Copyright page, Preface, Clauses 4.3.8.101.0, 5.3.102, HHH.7A, HHH.8, and III.1 Note: Only the revised pages have been provided.	

Update No. 1 — October 2017	Revision symbol (in margin)
Cover, Copyright page, Preface, Clauses 1.1.2, 1.1.101, 1.5, 1.5.107, AAA.8.11, III.1, NNN.1, NNN.3.1.3, NNN.3.3.2, and NNN.5.2, Tables 4.5.3.101A and AAA.8.3, Figure NNN.2 and Annex CCC Note: Only the revised pages have been provided.	

National Standard of Canada — May 2019
Outside front cover, National Standard of Canada text, and title page. This Standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

Standard for Safety for Uninterruptible Power Systems

Third Edition, Dated June 13, 2014

Summary of Topics

This revision dated April 28, 2023 is being issued to include reference to UL 1973 for battery requirements; [4.3.8.101.0](#), [5.3.102](#), [HHH.7A](#), [HHH.8](#) and Annex [III](#)



CSA Group
CSA C22.2 No. 107.3-14
Third Edition



ULSE Inc.
UL 1778
Fifth Edition

Uninterruptible Power Systems

June 13, 2014

(Title Page Reprinted: April 28, 2023)



ANSI/UL 1778-2023

Commitment for Amendments

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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This Standard is subject to review five years from the date of publication, and suggestions for its improvement will be referred to the appropriate committee. To submit a proposal for change, please send the following information to inquiries@csagroup.org and include "Proposal for change" in the subject line: Standard designation (number); relevant clause, table, and/or figure number; wording of the proposed change; and rationale for the change.

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This ANSI/UL Standard for Safety consists of the Fifth Edition including revisions through April 28, 2023. The most recent designation of ANSI/UL 1778 as an American National Standard (ANSI) occurred on April 28, 2023. 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 Uninterruptible Power Systems (UPS). It is the third edition of CSA C22.2 No. 107.3 and the fifth edition of UL 1778. This harmonized standard has been jointly revised on April 28, 2023. For this purpose, CSA Group and UL are issuing revision pages dated April 28, 2023.

This harmonized Standard was prepared by CSA Group and Underwriters Laboratories Inc. (UL). The efforts and support of the National Electrical Manufacturers Association (NEMA) and Electro-Federation Canada (EFC) are gratefully acknowledged.

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 Uninterruptible Power Systems, under the jurisdiction of the CSA Technical Committee on Industrial Products and the CSA Strategic Steering Committee on Requirements for Electrical Safety, and has been formally approved by the CSA Technical Committee.

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.

The Standard is intended to be used in conjunction with the applicable requirements of CAN/CSA-C22.2 No. 60950-1-07 and UL 60950-1, March 2007, second edition, which is referred to in this Standard as the Reference Document (RD). Compliance will be determined by the requirements located in CAN/CSA-C22.2 No. 60950-1-07 and UL 60950-1, March 2007, second edition, with deviations presented in the third edition of CSA C22.2 No. 107.3 and the fifth edition of UL 1778.

Level of Harmonization

This Standard is published as an equivalent standard for CSA Group and UL. An equivalent standard is a standard that is substantially the same in technical content, except as follows: Technical national differences are allowed for codes and governmental regulations as well as those recognized as being in accordance with NAFTA Article 905, for example, because of fundamental climatic, geographical, technological, or infrastructural factors, scientific justification, or the level of protection that the country considers appropriate. Presentation is word for word except for editorial changes.

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.