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ANSI/CAN/UL/ULC 2200:2025A

STANDARD FOR SAFETY

Stationary Engine Generator Assemblies

Approved American National Standard
ANSI

ANSI/UL 2200-2025A

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UL Standard for Safety for Stationary Engine Generator Assemblies, ANSI/CAN/UL/ULC 2200

Third Edition, Dated September 29, 2020

Summary of Topics

This revision of ANSI/CAN/UL/ULC 2200 dated September 5, 2025 reissues the August 27, 2025 revisions to correct paragraph 52.6.8 by removing the following text which was erroneously included: "This device shall permit the back flow of fuel from the vaporizer in the event of a pressure build-up in the vaporizer."

The topics of the August 27, 2025 revisions are noted below for Reference:

– Define Generator; 4.34A
– Remove Alternator from Generator Assembly Definition; 4.35
– ASVV Definition – Grammatical Correction; 4.7
– Add gauge reference to Table 7.3 and Table 7.4
– Additional requirements for fuel tanks; 48.2.1 and 5.3
– Exception for automatic positive shutoff; 48.2.7
– Change location and pressure rating requirement for automatic shutoff valve in LP fuel system; 52.6.8
– Change backflow requirement for an automatic shutoff valve in LP fuel system; 52.6.8 and 52.6.8A
– NG Fuel Lines – Remove CSA B149.1 Reference; 53.1.8
– Remove requirement for NG Fuel Regulator; 53.4.3.1
– Output Overload Test method clarification; 71.3.1 and 71.3.2
– Update sub-section title for guards over moving parts; 80.3
– Alternative option for exclusive use of ISO-formatted markings; 94.1, 94.5, 94.6, 94.19, 95.1, and 96.8
– Lift Lug – Calculation Method; 103.5.2

Text that has been changed in any manner or impacted by ULSE's electronic publishing system is marked with a vertical line in the margin.

The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated June 30, 2023, January 3, 2025, and May 30, 2025.

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September 29, 2020

This ANSI/CAN/UL/ULC Safety Standard consists of the Third Edition including revisions through September 5, 2025.

The most recent designation of ANSI/UL 2200 as an American National Standard (ANSI) occurred on August 27, 2025. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page, Preface or SCC Foreword.

This standard has been designated as a National Standard of Canada (NSC) on August 27, 2025.

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Preface

This is the Third Edition of ANSI/CAN/UL/ULC 2200, Standard for Stationary Engine Generator Assemblies.

ULSE is accredited by the American National Standards Institute (ANSI) and the Standards Council of Canada (SCC) as a Standards Development Organization (SDO). ULC Standards is accredited by the Standards Council of Canada (SCC) as a Standards Development Organization (SDO).

This Standard has been developed in compliance with the requirements of ANSI and SCC for accreditation of a Standards Development Organization.

This ANSI/CAN/UL/ULC 2200 Standard is under continuous maintenance, whereby each revision is approved in compliance with the requirements of ANSI and SCC for accreditation of a Standards Development Organization. In the event that no revisions are issued for a period of four years from the date of publication, action to revise, reaffirm, or withdraw the standard shall be initiated.

Annex A is identified as Normative, as such, form mandatory parts of this Standard.

Annex B, identified as Informative, is for information purposes only.

In Canada, there are two official languages, English and French. All safety warnings must be in French and English. Attention is drawn to the possibility that some Canadian authorities may require additional markings and/or installation instructions to be in both official languages.

This Third Edition Joint American National Standard and National Standard of Canada is based on, and now supersedes, the Second Edition of UL 2200.

Requests for interpretation of this Standard should be sent to ULC Standards. The requests should be worded in such a manner as to permit a “yes” or “no” answer based on the literal text of the requirement concerned.

Comments or proposals for revisions on any part of the Standard may be submitted at any time. Proposals should be submitted via a Proposal Request in the On-Line Collaborative Standards Development System (CSDS) at https://csds.ul.com.

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This Edition of the Standard has been formally approved by the ULSE Technical Committee (TC) on Stationary Engine Generator Assemblies, TC 2200.

This list represents the TC 2200 membership when the final text in this standard was balloted. Since that time, changes in the membership may have occurred.

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This Standard is intended to be used for conformity assessment.

The intended primary application of this standard is stated in its scope. It is important to note that it remains the responsibility of the user of the standard to judge its suitability for this particular application.

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INTRODUCTION

1 Scope

1.1 These requirements cover stationary engine generator assemblies that are intended for installation and use in ordinary locations in accordance with the following:

a) The National Electrical Code, NFPA 70;

b) The Canadian Electrical Code, Part I, CSA C22.1;

c) The Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines, NFPA 37;

d) Natural Gas and Propane Installation Code, CSA B149.1;

e) The Code for Digester Gas, Landfill Gas, Biogas Generation and Utilization, ANSI/CSA B149.6;

f) The Installation Code for Oil-Burning Equipment, CSA B139;

g) The Standard for Health Care Facilities, NFPA 99;

h) The Code for Canadian Health Care Facilities, CSA Z8000;

i) The Standard for Emergency, Standby Power Systems, NFPA 110; and

j) Emergency Electrical Power Supply for Building, CSA C282.

1.2 Units that incorporate a pressure vessel shall comply with the following:

a) ASME Boiler and Pressure Vessel Code;

b) Boiler, Pressure Vessel, and Pressure Piping Code, CSA B51;

c) Process Piping, ASME B31.3; and

d) Gas-Fired Low Pressure Steam and Hot Water Boilers, ANSI Z21.13 / CSA 4.9

1.2A These requirements apply to accessory equipment intended to modify the unit construction.

1.3 Hazards addressed by this Standard include electrical (energy, shock, explosion, and fire), mechanical (enclosures and moving parts), fuel related (containment and flow control for liquid and gaseous fuels including purge / dilution functions), and prime mover related hazards.

1.4 These requirements do not cover engine generator assemblies for use in hazardous (Classified) locations.

1.5 These requirements do not cover engine generator assemblies for shipboard marine applications.

2 Components

2.1 Except as indicated in 2.2, a component or auxiliary equipment used as a part of a unit covered by this Standard shall comply with the requirements for that component. A component shall comply with both the applicable United States and Canadian Standards.

2.2 A component is not required to comply with a specific requirement that:

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a) Involves a feature or characteristic not required in the application of the component in the product covered by this standard, or

b) Is superseded by a requirement in this standard.

2.3 A component shall be used in accordance with its rating established for the intended conditions of use.

2.4 Components that are incomplete in construction features or restricted in performance capabilities shall be used only under the specific conditions for which they have been evaluated.

3 Units of Measurement

3.1 The values given in SI (metric) units shall be normative. Any other values are for information only.

3.2 Values stated without parentheses are the requirement. Values in parentheses are explanatory or approximate information.

4 Glossary

4.1 In the text of this Standard, the term "unit" refers to any product covered by this Standard.

4.2 For the purpose of this Standard, the following definitions apply.

4.3 AC CONVENIENCE RECEPTACLE – A receptacle that is intended for general use.

4.3A ACCESSIBLE, READILY (READILY ACCESSIBLE) – Capable of being reached quickly for operation, renewal, or inspections without requiring those to whom ready access is requisite to take actions such as to use tools (other than keys), to climb over or under, to remove obstacles, or to resort to portable ladders, and so forth. [NFPA 70, Article 100]

NOTE 1: Use of keys is a common practice under controlled or supervised conditions and a common alternative to the ready access requirements under such supervised conditions as provided elsewhere in the NEC.

NOTE 2: Within the context of this Standard, a readily visible marking shall be readily accessible for visual inspection.

4.3B ACCESSORY EQUIPMENT – A piece of equipment that is:

a) Designed to be attached or added to a unit of a system; and

b) Of a size that it can be marked for identification by a catalog number or its equivalent.

4.4 AMBIENT AIR TEMPERATURE – The temperature, determined under prescribed conditions, of the air surrounding the complete engine generator assembly, switching device or fuse. [IEC 60050-441: IEV ref 441-11-13, modified]

NOTE: For engine generator assemblies, switching devices or fuses installed inside an enclosure, it is the temperature of the air outside the enclosure.

Adapted by UL from IEC 60050-441, International Electrotechnical Vocabulary Chapter 441: Switchgear, Controlgear and Fuses, with permission of the American National Standards Institute (ANSI) on behalf of the International Electrotechnical Commission. All rights reserved.

4.5 AUTOMATIC SAFETY SHUTOFF VALVE (ASSV) – A device consisting of a valve and operator that controls the fuel supply to the engine. The operator may be actuated by the application of fuel pressure on

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