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C22.2 No. 300-18
National Standard of Canada



Portable power equipment

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Preface

This is the first edition of CSA C22.2 No. 300, *Portable power equipment*, one of a series of Standards issued by CSA Group under Part II of the *Canadian Electrical Code*.

This edition was written to address portable power requirements as typically employed in entertainment (carnivals, concerts, movie shoots, etc.), mining, and construction applications. Future editions might allow for the inclusion of other additional applications.

For general information on the Standards of the *Canadian Electrical Code, Part II*, see the Preface of CAN/CSA-C22.2 No. 0, *General Requirements — Canadian Electrical Code, Part II*.

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

This Standard was prepared by the Subcommittee on Portable Power Equipment under the jurisdiction of the Technical Committee on Industrial Products and the Strategic Steering Committee on Requirements for Electrical Safety, and has been formally approved by the Technical Committee.

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.

Interpretations: The Strategic Steering Committee on Requirements for Electrical Safety has provided the following direction for the interpretation of standards under its jurisdiction: “The literal text shall be used in judging compliance of products with the safety requirements of this Standard. When the literal text cannot be applied to the product, such as for new materials or construction, and when a relevant CSA committee interpretation has not already been published, CSA Group’s procedures for interpretation shall be followed to determine the intended safety principle.”

Notes:

- 1) *Use of the singular does not exclude the plural (and vice versa) when the sense allows.*
- 2) *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.*
- 3) *This Standard was developed by consensus, which is defined by CSA Policy governing standardization — Code of good practice for standardization as “substantial agreement. Consensus implies much more than a simple majority, but not necessarily unanimity”. It is consistent with this definition that a member may be included in the Technical Committee list and yet not be in full agreement with all clauses of this Standard.*
- 4) *To submit a request for interpretation of this Standard, please send the following information to inquiries@csagroup.org and include “Request for interpretation” in the subject line:*
 - a) *define the problem, making reference to the specific clause, and, where appropriate, include an illustrative sketch;*
 - b) *provide an explanation of circumstances surrounding the actual field condition; and*
 - c) *where possible, phrase the request in such a way that a specific “yes” or “no” answer will address the issue.*

Committee interpretations are processed in accordance with the CSA Directives and guidelines governing standardization and are available on the Current Standards Activities page at standardsactivities.csa.ca.
- 5) *This Standard is subject to review within five years from the date of publication. 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:*
 - a) *Standard designation (number);*

- b) *relevant clause, table, and/or figure number;*
- c) *wording of the proposed change; and*
- d) *rationale for the change.*

C22.2 No. 300-18

Portable power equipment

1 Scope

1.1

This Standard applies to electrical power equipment that is generating or distributing power, and that is intended for temporary use in a portable manner. Portability can be achieved by including lifting handles, being mounted on skids, being mounted on wheels, etc.

Note: “Mounted on wheels” can include wheeled mounted equipment that can be moved by one person, up to large truck- or trailer-mounted assemblies. Similarly, “mounted on skids” can include equipment that is small enough and light enough to be moved by one person, up to large or heavy units that can only be skidded with larger towing vehicles or lifted and moved with hoists or cranes.

1.2

The equipment described in this Standard is intended for use and installation in accordance with the rules of CSA C22.1, *Canadian Electrical Code, Part I*, and can be rated as low voltage or high voltage based on the specific product types described in individual clauses.

1.3

This Standard is intended to be used with other standards as specified in each individual clause.

1.4

This equipment may be used indoor or outdoor or both as specified in each individual clause.

1.5

This Standard does not apply to

- a) portable equipment consuming power such as hand tools;
- b) “mobile equipment” as defined in Clause 3; and
- c) lighting control and dimming equipment.

1.6

In this Standard, “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the standard; “should” is used to express a recommendation or that which is advised but not required; and “may” is used to express an option or that which is permissible within the limits of the Standard.

Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material.

Notes to tables and figures are considered part of the table or figure and may be written as requirements.

Annexes are designated normative (mandatory) or informative (non-mandatory) to define their application.