



# UL 1236

## STANDARD FOR SAFETY

Battery Chargers for Charging Engine-Starter Batteries



UL Standard for Safety for Battery Chargers for Charging Engine-Starter Batteries, UL 1236

Eighth Edition, Dated April 21, 2015

### **Summary of Topics**

***This revision of ANSI/UL 1236 dated February 3, 2021 is being issued to update the title page to reflect the most recent designation as a Reaffirmed American National Standard (ANS). No technical changes have been made.***

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

The requirements are substantially in accordance with Proposal(s) on this subject dated October 30, 2020.

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## **UL 1236**

### **Standard for Battery Chargers for Charging Engine-Starter Batteries**

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### **Eighth Edition**

**April 21, 2015**

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The most recent designation of ANSI/UL 1236 as a Reaffirmed American National Standard (ANS) occurred on January 12, 2021. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, and Title Page.

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

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## INTRODUCTION

### 1 Scope

1.1 These requirements cover battery chargers rated 600 volts or less and intended for household or commercial use to charge lead-acid engine-starter and other starting, lighting, and ignition (SLI) type batteries, in accordance with the National Electrical Code, NFPA 70. The requirements also cover a battery charger intended to be permanently installed on a boat.

1.2 A battery charger for use with an internal combustion engine driving a centrifugal fire pump shall comply with the requirements of this Standard and the applicable requirements for the end product.

1.3 These requirements do not cover the following types of battery chargers:

- a) Battery chargers for use in industrial applications as covered by the Standard for Industrial Battery Chargers, UL 1564;
- b) Battery charger systems for use in electric vehicle applications covered by the Standard for Electric Vehicle (EV) Charging System Equipment, UL 2202;
- c) Battery chargers for use with portable tools or household appliances as covered by the Standard for Power Units Other Than Class 2, UL 1012, or the Standard for Class 2 Power Units, UL 1310; and
- d) Battery chargers for fire protection signaling service.

### 2 Components

2.1 Except as indicated in [2.2](#), a component of a product covered by this standard shall comply with the requirements for that component. See Appendix [A](#) for a list of standards covering components generally used in the products covered by this standard.

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

- 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 Specific components are incomplete in construction features or restricted in performance capabilities. Such components are intended for use only under limited conditions, such as certain temperatures not exceeding specified limits, and shall be used only under those specific conditions.

### 3 Units of Measurement

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

3.2 Unless otherwise stated, values of current and voltage are root-mean-square for alternating current and average for direct current.