



Installation, maintenance, testing and replacement of secondary batteries in buildings

Part 1: Vented cells



AS 2676.1:2020

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Preface

This Standard was prepared by the Standards Australia Committee EL-005 Secondary Batteries, to supersede AS 2676.1—1992, *Guide to the installation, maintenance, testing and replacement of secondary batteries in building, Part 1: Vented cells*.

The objective of this Standard is to set out minimum requirements for the installation, maintenance, testing and replacement of vented secondary batteries permanently installed in buildings, structures or premises.

It also provides guidance to determine when batteries should be replaced.

This Standard covers secondary batteries with a nominal voltage of 24 V or greater, and a capacity exceeding 10 A.h at the 1 h rate and includes batteries comprising vented lead-acid cells and alkaline batteries comprising vented cells (such as nickel-cadmium cells).

This Standard covers requirements for components of the d.c. system of which the battery is a part, where these components comprise an essential part of the d.c. system.

This Standard covers vented cells only. The installation and maintenance of sealed cells are covered by AS 3011.2 and AS 2676.2.

The major changes in this edition are as follows:

- (a) Scope aligned to complement AS/NZS 5139.
- (b) Important requirements established in text.
- (c) Battery terminal connection requirements aligned with AS 3011.1.
- (d) Battery protection requirements aligned with AS 3011.1.
- (e) Layout, location and ventilation requirements aligned with AS 3011.1.

The terms “normative” and “informative” are used in Standards to define the application of the appendices to which they apply. A “normative” appendix is an integral part of a Standard, whereas an “informative” appendix is only for information and guidance.

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