

STANDARDS AUSTRALIA

Amendment No. 1
to
AS 4509.1—1999
Stand-alone power systems
Part 1: Safety requirements

REVISED TEXT

The 1999 edition of AS 4509.1 is amended as follows; the amendments should be inserted in the appropriate places.

SUMMARY: This Amendment applies to the Preface and Clauses 1.3.2, 1.3.6, 1.4, 3.5 and 3.6

Published on 2000-02-02.

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Page 2 Preface

Insert the following after the third paragraph:

This Standard was developed with the assistance of the following organizations:

- NSW Department of Energy
- Australian CRC for Renewable Energy.

This amendment applies on publication.

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Page 4 Clause 1.3.3

In line 2, *delete* “...or a combination or these...” and *replace* with “...or a combination of these...”

This amendment applies on publication.

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Page 5 Clause 1.3.6

Delete the Clause and *replace* with the following:

1.3.6 Extra low voltage (ELV)—not exceeding 50 V a.c. or 120 V ripple-free d.c.

This amendment applies on publication.

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Page 5 Clause 1.4

Delete the Clause and *replace* with the following:

1.4 INFORMATION FOR EMERGENCY SERVICES

A sketch shall be prominently displayed in, or immediately adjacent to, the main LV switchboard indicating the location, in relation to the main LV switchboard, of—

- (a) the emergency de-energization procedure; and
- (b) the battery bank and fuel tanks,

unless they are immediately adjacent to the LV switchboard.

This amendment applies on publication.

Page 8 Clause 3.5

- 1 *Delete* item (c) and *replace* with the following:
 - (c) The battery enclosure shall be designed to prevent entry by children.
- 2 *Delete* Item (e) and *replace* with the following:
 - (e) A sign bearing the following words shall be mounted above the batteries or located on the battery enclosure:

WARNING: SPARK HAZARD

Follow shutdown procedure before connecting or disconnecting any equipment.

This amendment applies on publication.

Page 8 Clause 3.6

Delete the Clause and *replace* with the following:

3.6 Mechanical and thermal protection

Any equipment with moving parts or high temperature parts or emissions (greater than 80°C) shall be protected, to prevent inadvertent personal contact, fire and mechanical damage. Where such protection has not been provided by the manufacturer, guards, railings or fences shall be fitted.

This amendment applies on publication.
