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Australian Standard®

**Stationary batteries—
Nickel-cadmium**

Part 1: Vented type

[IEC Title: Open nickel-cadmium prismatic rechargeable cells]

[Title allocated by Defence Cataloguing Authority: BATTERY,
STORAGE (Nickel-cadmium, vented type) NSC 6140]



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Australian Automobile Association
Australian Electrical and Electronic Manufacturers Association
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Nickel-cadmium**

Part 1: Vented type

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PREFACE

✓ This Standard was prepared by the Standards Australia Committee on Secondary Batteries. It is identical with and has been reproduced from IEC 623 (1983) (including Amendment No 1), *Open nickel-cadmium prismatic rechargeable cells*.

Statements referenced in mandatory terms in Notes to tables and figures are deemed to be requirements of this Standard.

For the purposes of this Australian Standard the word 'prismatic' should be deleted wherever it appears in the IEC text.

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STANDARDS AUSTRALIA

Australian Standard
Stationary batteries—Nickel-cadmium

Part 1: Vented type

1.1 Scope

This standard specifies tests and requirements for open nickel-cadmium prismatic rechargeable single cells.

Note. — In this context, "prismatic" refers to cells having rectangular sides and base.

1.2 Definitions

For the purpose of this standard the following definitions apply:

1.2.1 *Open cells*

Cells having a permanent cover provided with an opening through which gaseous products may freely escape. The opening may be fitted with a vent plug.

1.2.2 *Nominal voltage*

The nominal voltage of a single open rechargeable nickel-cadmium cell is 1.2 V.

1.2.3 *Rated capacity*

The rated capacity in ampere-hours is the capacity at the 5 h (C_5) discharge rate to an end voltage of 1.0 V at 20 °C.

1.3 Measuring instruments

No requirements at present.

SECTION TWO — DESIGNATION AND MARKING

2.1 Cell designation

Open nickel-cadmium prismatic rechargeable cells shall be designated by the letter "K" followed by a second letter referring to the type of positive plates:

- P for cells with pocket plates;
- S for cells with sintered plates.