

ICS 29.220.01

CCS K 82



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 28867-2012

**Secondary cells and batteries containing alkaline or other
non-acid electrolytes -- Sealed nickel-cadmium prismatic
rechargeable single cells**

含碱性或其它非酸性电解质的蓄电池和蓄电池组 方形密封镉镍单体蓄电池

(English Translation)

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Table of Contents

Preface

1 General

1.1 Scope

1.2 Normative references

1.3 Terms and Definitions

1.4 Parameter measurement tolerance

2 Models and mark

2.1 Battery Type

2.2 2 battery terminals

2.3 Flag

2.4 Safety Recommendation

3 Dimensions

4 Electrical Test

4.1 Test method for charging

4.2 Discharge performance

4.3 Charge retention capability

4.4 Durability

4.5 Constant voltage charge acceptance capacity of 70,000

4.6 Overcharge

4.7 Safety device movement

4.8 Gas Leakage Test

4.9 Storage

5 Mechanical Test

8 6 Appearance

7 Ratification and reception conditions

8 7.1 Type Approval

7.2 Batch received

Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

This standard is identical with IEC 60622:2002 "containing alkaline or other non acid

electrolytes and batteries quad seal cadmium Nickel single battery. " this standard made the following editorial changes.

- a) "this International Standard" be replaced by "this standard";
- b) use a decimal point instead of a decimal comma " , " . " , " ;
- c) Remove the IEC standard preface.

The standard international normative documents referenced in the correspondence between the consistency of the following documents.

--- GB/T 7676 (all parts) Direct acting indicating analogue electrical measuring instruments and their accessories [IEC 60051 (all parts)].

The standard proposed by the Ministry of Industry and Information Technology of the People's Republic of China.

This standard by the National Standardization Technical Committee alkaline batteries (SAC/TC77) centralized.

This standard was drafted. China Electronics Standardization Institute, China Electronics Technology Group Corporation 18th Research Institute.

1.1 Scope

This standard specifies the square sealed nickel-cadmium batteries monomer signs, tests and requirements.

Note: This standard, the "square" refers to the side and bottom of the battery is rectangular.

If there are other standard specifies the test conditions and requirements for batteries used for special purposes, and clashed with the contents of this standard should be excellent First use of the former.

1.2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 2900.41-2008 Electrotechnical terminology primary cells and batteries (IEC 60050-482:2003, IDT) IEC 60051 (all parts) Direct acting indicating analogue electrical measuring instruments and their accessories (Directactingindicatinganalogue electricalmeasuringinstrumentsandtheiraccessories) IEC 60410 count inspection Sampling plans and procedures (Samplingplansandproceduresforinspectionbyattrib-utes) IEC 60417 (all parts), Graphical symbols for equipment [Graphicalsymbolsforuseonequipment (alparts)] IEC 60485 DC digital voltmeter and a DC analog to digital converter

(Digitalelectronicd.c.voltmetersandd.c.elec-tronicaanalogue-to-digitalconverters) IEC 61438
basic and batteries may present a danger to the health hazards and equipment
manufacturers and users Guide
(Possiblesafetyandhealthhazardsintheuseofalkalinessecondarycelsandbatteries-Guideto
equipmentmanufacturersandusers)

1.3 Terms and Definitions

GB/T 2900.41-2008 defined and the following terms and definitions apply to this document.

1.3.1

The sealed battery sealedcel Battery remain sealed, as specified by the manufacturer of the charging system and temperature range Operating neither released nor gas leaking battery fluid.

The battery can install safety devices to avoid dangerously high internal pressure, and is designed to during its lifetime without additional electrolyte to the original seal State operation.

1.3.2

Nominal voltage Sealed nickel-cadmium rechargeable single cells has a nominal voltage 1.2V.

1.3.3

Rated capacity Claimed by the manufacturers charge C5Ah (ampere-hours). That single battery under the conditions specified in Chapter 4 of the charge, discharge and hold in