

ICS 29.220.10

CCS K 82



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

GB/T 22084.2-2008

**Secondary cells and batteries containing alkaline or other
non-acid electrolytes -- Portable sealed rechargeable single
cells -- Part 2: Nickel-metal hydride**

含碱性或其他非酸性电解质的蓄电池和蓄电池组——便携式密封单体蓄电池 第2
部分：金属氢化物镍电池

(English Translation)

Issued on: June 18, 2008

Implemented on: November 1, 2008

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the PRC**

Table of Contents

Foreword	3
1 Scope	5
2 Normative references	5
3 Terms and definitions	6
4 Parameter measurement tolerances	7
5 Cell designation and marking	7
5.1 Cell designation	7
5.2 Cell termination	9
5.3 Marking	10
6 Dimensions	11
6.1 Small prismatic cells and cylindrical cells	11
6.2 Button cells	12
7 Electrical tests	13
7.1 Charging procedure for test purposes	13
7.2 Discharge performance	14
7.3 Charge (capacity) retention	15
7.4 Endurance	16
7.5 Charge acceptance at constant voltage	21
7.6 Overcharge	21
7.7 Safety device operation	22
7.8 Storage	22
7.9 Charge acceptance at 55 °C for LT, MT or HT cylindrical cells	23
7.10 Internal resistance	24
8 Mechanical tests	26
9 Type approval and batch acceptance	26
9.1 Type approval	26
9.2 Batch acceptance	27
Bibliography	29

1 Scope

This Part of GB/T 22084 specifies marking, designation, dimensions, tests and requirements for portable sealed nickel-metal hydride, small prismatic, cylindrical and button rechargeable single cells (abbreviated as cells), suitable for use in any orientation.

2 Normative references

The following documents contain provisions which, through reference in this

Part of GB/T 22084, constitute provisions of this Part. For the dated references, their subsequent amendments (excluding corrections) or revisions do not apply to this Part. However, the parties who enter into agreement based on this Part are encouraged to investigate whether the latest editions of these documents are applicable. For undated reference documents, the latest editions apply to this Part.

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

IEC 60050-486 International Electrotechnical Vocabulary - Chapter 486.

Secondary cells and batteries

IEC 60086 (all parts) Primary batteries

IEC 60410 Sampling plans and procedures for inspection by attributes

IEC 60485 Digital electronic d.c. voltmeters and d.c. electronic analogue-to- digital converters

IEC 61959 Secondary cells and batteries containing alkaline or other non- acid electrolytes - Mechanical tests for sealed portable secondary cells and batteries

GB/T 20042.6-2024 | GB/T 20042.7-2024 | GB/T 23751.2-2017 | GB 21966-2008 | GB 31656.25-2026 |