

ICS 29.220.10

CCS K82



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

GB/T 10077-2008

**Classification, designation nomenclature and basic
specifications for lithium primary batteries**

锂原电池分类、型号命名及基本特性

Issued on: June 18, 2008

Implemented on: May 1, 2009

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

Table of Contents

1 Scope	1
2 Normative references	1
2 The basic characteristics of lithium primary battery 6	2

Foreword

This standard replaces GB/T 10077-1988 "lithium maximum dimensions and capacity of the series." This standard and GB/T 10077- Compared to 1988, the main technical differences are.

--- Standard name from the "Maximum dimensions and capacity of lithium battery series" with "lithium primary battery classification, model name and basic characteristic";

--- This standard increases the lithium primary battery model nomenclature;

--- This standard has increased the production or sale of primary lithium battery model specifications, that have been deleted or does not produce sales model specifications. The standard proposed by China National Light Industry Council. This standard by the National Standardization Technical Committee primary cell (SAC/TC176) centralized. This standard is mainly drafted by: Li Jia Power Technology (Shenzhen) Co., Ltd. Changzhou up Li Battery Co., Ltd., China National Light Industry quality battery The amount of supervision and inspection center, Shenzhen Yi Boer new Energy Limited. Participated in the drafting of this standard. Wuhan Lixing (Torch) Power Co., Ltd. lithium battery Jianzhong Chengdu, Wuhan Science and Technology Andrew Rover Ltd., Wuhan Hao-Battery Technology Co., Ltd. Guangzhou Panyu Huali Battery Limited. The main drafters of this standard. Linpei Yun, Wang, Xu Pingguo, Huangde Yong, Liu Yan, Yu Zhang Hua, Wu Yifan, Zhu Zhigang, Ruan Honglin, Zhangchao Ming. This standard replaces the standards previously issued as follows:

--- GB/T 10077-1988. Lithium primary battery classification, Model name and basic characteristics

1 Scope

GB/T 10077-2008 is the Chinese national standard on classification, designation nomenclature and basic specifications for lithium primary batteries, in the field of electrical engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 18 June

2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 May 2009. Classification: ICS 29.220.10, CCS K82. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies lithium - carbon fluoride batteries, lithium - manganese dioxide batteries, lithium - thionyl chloride batteries, lithium - iron disulfide batteries and lithium - Dioxide Sulfur battery classification, nomenclature and basic features. This standard applies to the above-described lithium battery production, testing and acceptance.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 8897.1 Primary batteries - Part 1. General (GB/T 8897.1-2003, IEC 60086-1.2000, IDT)

GB 8897.2-2005 Primary batteries - Part 2. Dimensions and technical requirements (IEC 60086-2.2001, MOD)

3 Terms and Definitions

3.1 The total height is equal to or greater than the diameter of the cylindrical battery. Battery shape indicated by the letter "R".

3.2 The total height is less than the diameter of the cylindrical battery, the shape of a button or a coin. Battery shape indicated by the letter "R".

3.3 At right angles to each side of the parallelepiped-shaped batteries. Battery shape indicated by the letter "P".

3.4 Other shapes other than cylindrical battery, button, rectangle. Battery shape indicated by the letter "P".

3.5 Battery under specified discharge conditions of discharge time, capacity or energy output.

3.6 The average discharge minimum amount of samples should be met.

Note. according to the method prescribed discharge test to prove its compliance with the

applicable standard battery.

3.7 Within a period of 60 days after the battery production.

chinastandards.org - PREVIEW