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

GB/T 44224-2024

**Secondary cells and batteries - Marking symbols for
identification of their chemistry
(English Translation)**

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1 Scope

This document specifies the application principles, marking, durability of marking, inspection methods and Judgment criteria.

This document applies to lead-acid batteries, lithium-ion batteries, lithium metal batteries, nickel-cadmium batteries, nickel-metal hydride batteries, Symbolic identification of battery packs, battery modules and complete batteries.

This document is also applicable to the identification of the chemistry of secondary cells and batteries during installation, conditioning and decommissioning.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies.

in this document.

GB/T 2900.41-2008 Electrical terminology. primary cells and secondary batteries GB/T 15565-2020 Terminology of Graphic Symbols ISO 7000 Register of Graphic symbols for use on equipment Registered symbols Note. GB/T 16273.1-2008 Graphical symbols for equipment Part 1: General symbols (ISO 7000:2004, NEQ)

3 Terms and definitions

The terms and definitions defined in GB/T 2900.41-2008 and GB/T 15565-2020 and the following apply to this document.

Battery

Battery Pack

One or more single batteries equipped with devices necessary for use (such as casing,

terminals, markings and protective devices).

[Source. GB/T 2900.41-2008, 482-01-04] 3.2 [Single cell] battery cell A power source that directly converts chemical energy into electrical energy. It is a basic structure consisting of electrodes, electrolytes, containers, extremes, and usually an isolation layer.

This functional unit.

[Source. GB/T 2900.41-2008, 482-01-01, modified] 3.3 Lead acid battery A battery containing an electrolyte mainly composed of dilute sulfuric acid, a lead dioxide positive electrode and a lead negative electrode.

[Source. GB/T 2900.41-2008, 482-05-01, modified] 3.4 lithium ion battery A battery containing an organic solvent electrolyte and using a lithium storage intercalation compound as the positive and negative electrodes.