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

GB/T 46371-2025

**Technical specification for safety signs of energy storage
stations**

储能电站安全标志技术规范

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed by the China Electricity Council. This document is under the jurisdiction of the National Technical Committee on Standardization of Power Storage (SAC/TC550). This document was drafted by: State Grid Jiangsu Electric Power Co., Ltd., State Grid Jiangsu Electric Power Co., Ltd. Zhenjiang Power Supply Branch, and State Grid Corporation of China. Limited Liability Company, State Grid Hunan Electric Power Company Economic and Technological Research Institute, Zhejiang Huayun Electric Power Engineering Design & Consulting Co., Ltd., State Grid Hebei Electric Power Co., Ltd. Zhangjiakou Wind-Solar-Storage New Energy Co., Ltd., Zhejiang Huayun Clean Energy Co., Ltd., and China Electric Power Research Institute Co., Ltd. The main drafters of this document are: Guo Pengyu, Feng Linyang, Wei Jiajun, Dong Yan, Yang Yi, Hou Chao, Chen Bing, Liu Hu, Guo Jinkun, Wang Lina, and Wang Mengmeng. Xu Zhiqiang, Liu Niu, Xu Wen, Ma Junyi, Xu Junjie, Gong Zhengpeng, Zhang Donghui, Yi Jun, Zhao Yi, Yao Xun, Gao Fei, Wang Hui.

Technical Specifications for Safety Signs of Energy Storage Power Stations

1 Scope

GB/T 46371-2025 is the Chinese national standard covering the signage of a battery storage site - the hazards a firefighter needs to read from outside the fence, the electrical, chemical and thermal runaway warnings, the emergency shutdown and access points, and the durability of the signs themselves. First edition, in force from 1 May 2026. Issued on 31 October 2025, it has been in force since 1 May 2026.

This document specifies the technology, installation, and use of production areas, equipment and facilities, on-site operations, and road traffic safety signs for energy storage power stations. Requirements for maintenance, testing, and inspection. This document applies to the design, installation, use, and maintenance of safety signs for electrochemical energy storage power stations, compressed air energy storage power stations, and flywheel energy storage power stations. Protection, testing and inspection management.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 2893.4 Graphical symbols, safety colors, and safety signs - Part

3 Terms and Definitions

The terms and definitions defined in DL/T 2528 and the following terms and definitions apply to this document.

3.1 safety sign A sign consisting of graphic symbols, safety colors, geometric shapes (borders), or text, used to convey specific safety information. [Source: GB 2894-2025, 3.3]

4 Colorimetric and photometric properties of safety sign materials

GB/T 2893.5 Graphical symbols, safety colors, and safety signs - Part

5 Principles and requirements for the use of safety signs

GB 2894 Safety Colors and Safety Signs

GB 5768.2 Road traffic signs and markings Part