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

GB/T 23644-2025

Replacing GB/T 23644-2009

General specifications for electrical special equipment

电工专用设备通用技术条件

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document replaces GB/T 23644-2009 "General technical requirements for electrical equipment".

In addition to structural adjustments and editorial changes, the main technical changes are as follows.

- Changed "Scope" (see Chapter 1, Chapter 1 of the 2009 edition);
- Added "Terms and Definitions" (see Chapter 3);
- Changed "Classification" [see Chapter 4 c), Chapter 3 c) of the 2009 edition];
- Changed "Model" (see Chapter 5, Chapter 4 of the 2009 edition);
- Changed "Precision" (see 6.4, 5.4 of the 2009 edition);
- Changed "Security Protection" (see 6.6, 5.6 of the 2009 edition);
- Added the design requirements for the size of the operating position of electrical equipment in the "Appearance Quality" (see 6.7.8);
- Changed "Environmental Protection" (see 6.8, 5.8 of the 2009 edition);
- Changed "Equipment Energy Efficiency" (see 6.9, 5.9 of the 2009 edition);
- Added "electrical system" requirements (see 6.10);
- Added "CNC system" requirements (see 6.11);
- Added "digitalization" requirements (see 6.12);
- Added the "idle running test" requirements (see 6.13);

- Added the "load operation test" requirements (see 6.14);
- Changed the provisions of "Environmental Protection Testing" (see 7.1.5, 6.1.5 of the 2009 edition);
- Added "electrical system" detection method (see 7.1.7);
- Added "CNC system" detection method (see 7.1.8);
- Added "digital" detection method (see 7.1.9);
- Added "inspection items" requirements (see 8.3);
- Added "packaging box marking" requirements (see 9.2.3).

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document is proposed and coordinated by the China Electrical Equipment Industry Association.

This document was drafted by: CECEP Xi'an Qiyuan Mechanical and Electrical Equipment Co., Ltd., Shenzhen Yinghe Technology Co., Ltd., Machinery Industry Beijing Institute of Electrical Engineering and Economics, Xiamen Hongfa Industrial Robot Co., Ltd., Zhongshan Kaixuan Vacuum Technology Co., Ltd., Hefei Shenma Technology Group Co., Ltd., State Grid Jiangsu Electric Power Co., Ltd. Nanjing Power Supply Branch, Jiangsu CRRC Motor Co., Ltd., China Quality Certification Center Co., Ltd., Wuxi Cimameda Electric Co., Ltd., Shenzhen Haoneng Technology Co., Ltd., Foshan Guangyi Yongxiong Machinery Co., Ltd., Jiangsu Xingji Intelligent Equipment Co., Ltd. and Walda Cable Group Co., Ltd.

The main drafters of this document are: Liu Lijun, He Aibin, Wang Fang, Liao Jianming, Zhang Yanxiong, Zhou Zhangyin, Chen Hao, Du Lunqing, Li Hua, Meng Wei, Wan Quanhong, Huang Chiwei, Zhang Jie, Liu Weiwei, Cai Huimin, Dong Tao, Zhang Juncheng, and Shan Maogang.

This document was first published as GB/T 23644-2009 in 2009, and this is the first revision.

1 Scope

This document specifies the classification, model, technical requirements, test methods, inspection rules, marking, packaging, transportation and storage of electrical equipment. and installation, use and maintenance.

This document applies to the design, manufacture, inspection and acceptance of special electrical equipment.

2 Normative references

GB/T 191

GB 2894

GB/T 5226.1

GB/T 8196

GB/T 13306

GB/T 13384

GB/T 16656

GB/T 17248.1

GB/T 18336

GB/T 19114

GB/T 19902

GB 28526

GB 30439

GB/T 38619

3 Terms and Definitions

There are no terms or definitions that require definition in this document.

4 Categories

Special electrical equipment is divided into the following nine categories.

- a) Special equipment for manufacturing power generation equipment;
- b) Special equipment for transformer manufacturing;
- c) Special equipment for insulator manufacturing;
- d) Special equipment for motor manufacturing;