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

GB/T 46731-2025

**Technical specifications for household electrical appliances
used in campus**

校园用家用电器产品技术规范

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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 National Light Industry Council. This document is under the jurisdiction of the National Technical Committee on Standardization of Household Appliances (SAC/TC46). This document was drafted by: Qingdao Haier Air Conditioner Co., Ltd., China Household Electric Appliance Research Institute, and Shenzhen Angel Drinking Water Industry Group Co., Ltd. Limited Company, Tsinghua University, Guangdong Midea Refrigeration Equipment Co., Ltd., Beijing University of Science and Technology, Zhejiang Aidev Electronic Technology Co., Ltd., China Household Electric Appliance Research Institute (Beijing) Testing & Certification Co., Ltd., Hangzhou Junyue Technology Co., Ltd., Beijing University of Science and Technology, Foshan Shunde District Midea Washing Appliance Manufacturing Co., Ltd. Manufacturing Co., Ltd., Wuxi Xiaojing Shared Network Technology Co., Ltd., Ningbo Heying Electric Appliance Co., Ltd., Jiahe (Zhejiang) Inspection and Testing Co., Ltd. Company, Beijing University of Technology. The main drafters of this document are. Yan Ling, Feng Zelei, Zhao Shuang, Luo Binwen, Fang Huaying, Liang Jilong, Deng Qing, Xu Yi, Chen Weiwei, and Jia Yongchao. Qu Xinfang, Wang Wei, You Yuanke, Li Song, Huang Shi, Li Guanghui, Zhao Yichen, Ma Li, Li Xin, Xu Jingjing. Technical Specifications for Household Appliances Used on Campus

1 Scope

GB/T 46731-2025 is the Chinese national standard covering appliances for dormitories and student use - the power limits that a dormitory circuit can carry, the protection against the misuse that follows from crowded rooms and unattended operation, the fire behaviour, and

the durability under shared use. Dormitory appliance fires are a recurring cause of casualties in Chinese universities. First edition, in force from 1 May 2026. Issued on 31 October 2025, it has been in force since 1 May 2026.

This document establishes the basic principles for the use of household and similar appliances in a school setting, and specifies risk assessment and control procedures. Technical requirements and energy conservation and environmental protection requirements. This document applies to household and similar facilities used in student dormitories, classrooms, and similar settings on school campuses (e.g., commercial spaces, public places). The design, production, manufacturing, testing, use, maintenance and management of household electrical appliances (hereinafter referred to as "household appliances").

Note. The risk assessment in this document focuses on foreseeable risks in a school setting and does not consider individuals with physical, sensory, or mental disabilities, or those lacking relevant experience. The use of such electrical appliances by people with experience and knowledge.

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 4706 (all parts) Safety of household and similar electrical appliances

GB 12021.4 Energy and water efficiency limits and ratings for electric washing machines

GB 19576 Minimum Energy Efficiency Values and Energy Efficiency Grades for Unitary Air Conditioners

GB 21454 Minimum Energy Efficiency Values and Energy Efficiency Grades for Multi-Split Air Conditioning (Heat Pump) Units

GB 21455 Minimum Energy Efficiency Values and Energy Efficiency Grades for Room Air Conditioners

GB 21456 Minimum Energy Efficiency Values and Energy Efficiency Grades for Household and Similar Kitchen Appliances

GB/T 23694 Risk Management Terminology

GB 34914 Water Efficiency Limits and Water Efficiency Grades for Water Purifiers

GB 37479 Minimum Energy Efficiency Values and Energy Efficiency Grades for Ducted Air

Conditioning Units

GB 44246 Safety Technical Specifications for Electrical Components of Household and Similar Electrical Appliances, Sporting Goods and Electric Toys

GB 44498 Health Technical Specifications for Household and Similar Electrical Appliances

GB/T 46732 Technical Specification for Lithium-ion Batteries for Household and Similar Electrical Appliances

3 Terms and Definitions

The terms and definitions defined in GB/T 23694 and the following terms and definitions apply to this document.

3.1 Single-phase AC powered appliances used by non-professionals in homes, residences, and similar settings (e.g., shops, light industry, and farms). Electrical appliances with a rated voltage not exceeding 250V, and other appliances with a rated voltage not exceeding 480V. [Source: GB 44246-2024, 3.1, with modifications]

3.2 Household and similar appliances used in student apartments, classrooms, and similar settings on campus (e.g., commercial spaces, public places).