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

GB 44499-2024

**Household and similar electrical appliances - Energy saving
and environment protection specification**

家用和类似用途电器 节能环保规范

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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. 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 Ministry of Industry and Information Technology of the People's Republic of China.

This document was formulated taking into account my country's national conditions, the current status of the consumer goods industry and other factors, and specifies household and similar electrical appliances. energy-saving and environmentally friendly product requirements and energy-saving requirements for household and similar electrical appliances during the production, installation, recycling and reuse stages within the territory of the People's Republic of China. Energy and environmental protection requirements. Strive to minimize resource and energy consumption during the product life cycle, reduce the use of or not use harmful substances raw materials, reduce the generation and emission of pollutants, and thus achieve energy conservation and environmental protection in the household and similar electrical appliance industry. Energy-saving and environmental protection standards for household and similar electrical appliances

1 Scope

GB 44499-2024 is the Chinese national standard on household and similar electrical appliances - energy saving and environment protection specification, in the field of environment and health protection, safety. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to

meet it to be lawfully made, sold or carried out in China. It was issued on 23 August 2024 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 September 2026. Classification: ICS 13.120, CCS Y60. 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 document defines the terms and definitions related to energy conservation and environmental protection of household and similar electrical appliances, and establishes the energy conservation and environmental protection of household and similar electrical appliances. The general principles of environmental protection stipulate the requirements for the life cycle stages and product requirements. This document applies to the production, installation, recycling and reuse of household and similar electrical appliances (hereinafter referred to as "household appliances") and household appliances. The product is energy-saving and environmentally friendly.

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 to This document.

GB 18599 Pollution control standard for storage and landfill of general industrial solid waste

GB/T 26572 Limit requirements for restricted substances in electronic and electrical products

GB 38508 Limits of Volatile Organic Compound Content in Cleaning Agents SJ/T 11364 Requirements for labeling of restricted use of hazardous substances in electrical and electronic products

3 Terms and definitions

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 places (such as shops, light industry and farms, etc.) Electrical appliances with a rated voltage not exceeding 250V and other appliances with a rated voltage not exceeding 480V.

3.2 By taking technically feasible, economically reasonable, environmentally and socially acceptable measures, Use energy efficiently and reasonably, save and recycle resources,

and reduce environmental pollution and emissions.

3.3 lifecycle A series of successive stages in a product system, from the acquisition of raw materials from nature or from natural resources to their final disposal. [Source: GB/T 24040-2008, 3.1]

3.4 Recyclability rate The sum of the mass of the parts expected to be reused and recycled in household appliances (excluding energy recovery) and the mass of the household appliances Percent of total mass. [Source: GB/T 29769-2013, 3.18, modified]