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PEOPLE'S REPUBLIC OF CHINA**

GB/T 4706.129-2025

**Safety of household and similar electrical appliances - Part 129:
Particular requirements for DC supplied household electrical
appliances**

家用和类似用途电器的安全 第129部分：直流家用电器的特殊要求

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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.

This document is Part 129 of GB/T 4706, "Safety of household and similar electrical appliances". GB/T 4706 has published the following... part.

- Part 1: General Requirements;
- Part 2: Special Requirements for Electric Irons;
- Part 121. Special Requirements for Professional Ice Cream Machines;
- Part 129. Special requirements for DC household appliances.

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.

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Introduction

GB/T 4706, "Safety of Household and Similar Electrical Appliances," largely adopts IEC 60335. Based on this, GB/T 4706 references...

The structure of IEC 60335 is divided into several parts, consisting of general requirements and special requirements. Part 1 contains the general requirements, and the other parts...

For special requirements. For products covered by special requirements, the safety requirements are the general requirements combined with these special requirements, and the specific requirements are applied in conjunction with the general requirements.

The requirements include supplements and modifications to the corresponding clauses in the general requirements to provide complete requirements for each product.

This document outlines the protective measures required for appliances when used normally according to the instructions, addressing risks related to electrical, mechanical, thermal, fire, and radiation.

This document also includes information on abnormal situations that may occur during use, and considers the impact of electromagnetic interference on the safe operation of the

equipment.

This document takes into account the requirements specified in GB/T 16895 "Low-voltage electrical installations", and the appliances shall comply with electrical wiring rules when connected to the power supply.

The requirements are consistent and coordinated.

This document provides safety requirements for DC household appliances. If multiple functions of an appliance involve other parts of GB/T 4706, then...

As long as it is reasonable, the other parts can be applied to each function of the appliance. If applicable, the impact of one function on other functions must be considered.

Note. For example, when the appliance is a DC household air conditioner, this document is consistent with GB/T 4706.1-2024 "Safety of household and similar electrical appliances - Part 1: Communication".

Requirements for use in household and similar electrical appliances - Part 32. Particular requirements for heat pumps, air conditioners and dehumidifiers Used in conjunction with other products.

GB/T 4706.1 applies when no additional requirements are given in other parts for hazards already included in this document.

GB/T 4706 (all parts) is a standard relating to appliance safety and takes precedence over general/horizontal standards that cover the same topic.

This document is used in conjunction with GB/T 4706.1-2024. The parts in this document that specify "Applicable" indicate that GB/T 4706.1-2024 applies.

The relevant clauses in this document apply; where this document specifies "in lieu of," the clauses in this document shall prevail; where this document specifies "addition," the clauses in this document shall apply.

The part indicating that, in addition to complying with the relevant clauses in GB/T 4706.1-2024, it is also necessary to comply with the clauses added in this document; this document The part marked "modified" indicates that modifications have been made to the corresponding clauses of GB/T 4706.1-2024.

Safety of household and similar electrical appliances Part 129. Special Requirements for DC Household Appliances

1 Scope

The relevant chapter in GB/T 4706.1-2024 is replaced by the following content.

This document specifies the safety requirements for DC household appliances (hereinafter referred to as "appliances").