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

GB/T 4706.127-2025

**Safety of household and similar electrical appliances - Part 127:
Particular requirements for water circulation heating blankets,
mattresses and similar appliances**

家用和类似用途电器的安全 第127部分：水暖毯、水暖褥垫及类似器具的特殊要求

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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 is Part 127 of GB/T 4706 "Safety of Household and Similar Electrical Appliances". GB/T 4706 has been published as follows part.

- Part 1: General requirements;
- Part 2: Particular requirements for electric irons;
- Part 121. Particular requirements for professional ice cream machines;
- Part 127. Particular requirements for water-heating blankets, water-heating mattresses and similar appliances.

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 was proposed by the China Light Industry Federation.

This document is under the jurisdiction of the National Technical Committee for Standardization of Household Electrical Appliances (SAC/TC46).

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Introduction

In the GB/T 4706 "Safety of Household and Similar Electrical Appliances" series of standards, the vast majority adopt the IEC 60335 series of international standards.

On this basis, the structure of this series of standards refers to the structure of the IEC 60335 series of standards and is divided into several parts, consisting of general requirements and specific requirements.

For products covered by special requirements, their safety requirements are the general requirements combined with the special requirements.

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

In the case of the general requirements, they can be applied to various appliances not covered by the special requirements of the GB/T 4706 series of standards, as well as those according to the new principles.

In this case, consideration should be given to the classification of the appliance according to clause 6 and whether the appliance is attended or unattended.

Consideration should also be given to the specific categories of possible users and the associated specific risks, such as contact with live parts, heat surfaces or hazardous moving parts.

It has been assumed in the preparation of this document that the provisions of the standard will be implemented by suitably qualified and experienced persons.

This document recognizes the electrical, mechanical, thermal, fire and other hazards of the appliance when used normally, taking into account the manufacturer's instructions.

It also includes the abnormal conditions that may occur during use and takes into account electromagnetic interference.

How the interference affects the safe operation of the equipment.

In developing this document, the requirements specified in GB/T 16895 have been taken into account as much as possible so that the appliance can be connected to the electrical supply.

The requirements of wiring regulations are coordinated and consistent.

If several functions of an appliance involve different special requirements in other parts, each of the functions of the appliance shall be subject to the following requirements, as far as is reasonable.

The functions shall comply with the relevant requirements in other parts respectively. If applicable, the impact of one function on other functions should be considered.

Note. In this document, when "other parts" are mentioned, they refer to the relevant special requirements in the GB/T 4706 series of standards.

When the "other parts" standards do not give additional requirements for hazards already included in this document, GB/T 4706.1 applies.

GB/T 4706 is a product series standard covering the safety of appliances and takes precedence over horizontal standards and general standards covering the same subject.

The part marked "applicable" in this document indicates that the corresponding clauses in GB/T 4706.1-2024 are applicable to this document;

For the part marked as "replacement", the provisions in this document shall prevail; for the part marked as "addition", it means that in addition to complying with GB/T 4706.1- 2024, the provisions added to the terms of this document must also be complied with; the part of this document marked "modified" means that The corresponding clauses of GB/T 4706.1-2024 are modified.

Safety of household and similar electrical appliances Part 127. Water-heated blankets, water-heated mattresses and similar Special requirements for appliances

1 Scope

This chapter of GB/T 4706.1-2024 is replaced by the following content.

This document specifies the safety requirements for water-heating blankets, water-heating mattresses and similar appliances for household and similar purposes.

This document applies to water-heating blankets, water-heating mattresses and similar appliances for household and similar purposes, with a rated voltage not exceeding 250V.

This also applies to the main unit supplied with the appliance.

This document deals with common hazards arising from appliances which are encountered by all persons in and around the home. However, this document does not generally consider The following situations.

- The following groups (including children).
- due to a physical, sensory or mental impairment; or - Due to lack of experience and knowledge, Conditions that render them unable to use the appliance safely without supervision or instruction.
- The situation of children's play equipment.

Note 101. Pay attention to the following.