

ICS 13.260
CCS K 09



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

GB 4706.109-2013

**Household and similar electrical appliances -- Safety --
Particular requirements for electrolyzers**

家用和类似用途电器的安全 电解槽的特殊要求

(English Translation)

Issued on: December 31, 2013

Implemented on: July 1, 2015

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China, Standardization
Administration of the People's Republic of China**

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Foreword

All technical contents of this section is mandatory.

GB 4706 "Household and similar electrical appliances" made up of several parts.

--- Part 1. General requirements;

--- other part of the special requirements.

This section is part of the 109 GB 4706.

This section drafted in accordance with the rules GB/T 1.1 is given.

This section should GB 4706.1-2005. with "safe 1 Household and similar electrical appliances General requirements."

This section uses the translation method is equivalent to using 60335-2-108 IEC .2008 "Household and Similar Electrical Appliances - Safety - section 2-108

Min. Special requirements "of the cell.

Consistency correspondence relationship with international documents in this section of our normative references the following documents.

--- GB/T 1690-2010 Rubber, vulcanized or thermoplastic liquid resistant test methods (ISO 1817.2005, MOD)

--- GB 3836.8-2003 Electrical Apparatus for Explosive Gas Atmospheres Part 8. "n" electrical equipment (IEC 60079-15.

2001, MOD)

This part of the editorial changes.

This section was proposed by China Light Industry Federation.

This part of the jurisdiction of the National Standardization Technical Committee appliances (SAC/TC46).

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Introduction

This portion is recognized for household electrical appliances and similar requirements according to the manufacturer instructions and used under normal conditions, is of

With an acceptable level of risk international protection of electrical, mechanical, thermal, radiation and fire, it also includes the possible use of expected

Abnormal circumstances, and taking into account electromagnetic interference affects the way for the safe operation of the appliance.

In developing this part has been as much as possible into account the requirements of IEC 60364 in order to make electrical appliances when connecting to the grid

Gas wiring rules requires coordinated. But electrical wiring rules may be different for each country.

If a number of functions related to the special requirements of the appliance IEC 60335 series of different parts, as far as is reasonable in the circumstances

Under the special requirements of the relevant standards should be applied to each function separately. If applicable, taking into account the impact of this function to other functions.

Note 1: refers to the technical committee responsible for determining the criteria to determine the appliance in Part 2, other than appliances involving general requirements, no special requirements

of the problem.

When the special requirements not included in Part 1 of the appended claims when hazardous, Part 1 applies.

Note 2: refers to when the IEC 60335 series of standards has been considered dangerous instrument development process encountered dangerous situations involving other than the standard does not apply, for example,

The surface temperature of many appliances, for example, ISO 13732-1 claim hot surface, do not apply to the first or the second part of the standard.

If the test has found damage to other standard safety features principle, it is considered that the appliance does not meet the requirements of this section.

Material or appliance use a structure other than the requirements of this, the product may be intended in this section to these requirements

Inspection and testing. If found to be substantially equivalent, it can be determined which comply with this part.

For the electrolytic cell, according to the present selection test section, and does not require the machine to be tested as a prerequisite. For example reference

IEC 60335 Part 2 of Chapter 24, however, comply with this part if the cell is mounted on the appliance, the appliance of the relevant test

Test may be suitably reduced if there is, comprising a control system or the protection system shall comply with this part.

In particular, the structure can be carefully examined and tested separately in different cell, and therefore, when the electrolytic cell used in different appliances

When, inspection and tests required may be correspondingly omitted.

Household and similar electrical appliances - Safety

The special requirements of the electrolyzer

1 Scope

This chapter in GB 4706.1-2005 replaced by the following.

This section applies to household appliances and similar uses, washed with water electrolysis can produce a low viscosity liquid detergent ionization rated

Voltage not exceeding 250V safety of the cell. Under the most adverse conditions that may arise in the normal use of the cell tested separately.

101 Note. Examples may include cell appliance.

- washing machine (GB 4706.24);
- dishwasher (GB 4706.25);
- electrolytic water for sanitary purposes appliance.

102 Note. This section is not replaced with the special requirements of the relevant part of the appliance electrolytic cell, however, in line with this part of the electrolytic cell, a special tool is not necessary to

Determine the correlation tests of the whole or parts. If the control system is connected with the electrolytic cell and the appliance control system needs to be performed on the final product

Additional tests, additional requirements guide appliance with the standard cell of the determination is given in Appendix conclusion of BB.

103 Note. The following facts should attract attention.

- for use on a vehicle, ship or aircraft, appliances, additional requirements may be necessary;
- the national health authorities, the national labor protection authorities, the national water supply authorities and similar authorities of the appliance provides additional Claim.

104 NOTE. This does not apply to.

- designed specifically for industrial use appliances;
- used in special circumstances appliance, or explosive gases, for example corrosive gases (dust, vapor or gas) environment.

2 Normative references

The following documents for the application of this document is essential. For dated references, only applies to the version dated paper

Pieces, undated references, the latest edition (including any amendments) applies to this document.

GB 4706.1-2005 in the content except as follows, are applicable.
increase.

GB/T 2423.18-2000 Environmental testing for electric and electronic products - Part 2. Test