

INTERNATIONAL STANDARD

**Household and similar electrical appliances - Safety -
Part 2-106: Particular requirements for heated carpets and for heating units for
room heating installed under removable floor coverings**

Document Preview

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CONTENTS

FOREWORD	3
INTRODUCTION	6
1 Scope	7
2 Normative references	7
3 Terms and definitions	8
4 General requirement	8
5 General conditions for the tests	9
6 Classification	9
7 Marking and instructions	10
8 Protection against access to live parts	13
9 Starting of motor-operated appliances	13
10 Power input and current	13
11 Heating	13
12 Charging of metal-ion batteries	16
13 Leakage current and electric strength at operating temperature	16
14 Transient overvoltages	16
15 Moisture resistance	17
16 Leakage current and electric strength	17
17 Overload protection of transformers and associated circuits	18
18 Endurance	18
19 Abnormal operation	20
20 Stability and mechanical hazards	22
21 Mechanical strength	23
22 Construction	26
23 Internal wiring	28
24 Components	28
25 Supply connection and external flexible cords	29
26 Terminals for external conductors	30
27 Provision for earthing	30
28 Screws and connections	30
29 Clearances, creepage distances and solid insulation	30
30 Resistance to heat and fire	30
31 Resistance to rusting	32
32 Radiation, toxicity and similar hazards	32
Annexes	42
Annex B (normative) Battery-operated appliances, separable batteries and detachable batteries for battery-operated appliances	43
Bibliography	44
Figure 101 – Arrangement for testing heating units	33
Figure 102 – Arrangement for testing heating units to be used only above concrete or similar floors	34

Figure 103 – Arrangement for measuring leakage current and electric strength of the flexible part.....	35
Figure 104 – Jig for locating the contact needle	36
Figure 105 – Arrangement for the three-thickness fold test	37
Figure 106 – Equipment for flexing heating elements and internal wiring	38
Figure 107 – Equipment for the spark ignition test	39
Figure 108 – Details of the mask.....	40
Figure 109 – Probe for measuring surface temperatures	41
Table 102 – Maximum temperature rises for specified external accessible surfaces under normal operating conditions	15
Table 101 – Maximum temperature rises.....	16

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

Household and similar electrical appliances - Safety - Part 2-106: Particular requirements for heated carpets and for heating units for room heating installed under removable floor coverings

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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This consolidated version of the official IEC Standard and its amendment has been prepared for user convenience.

IEC 60335-2-106 edition 2.1 contains the second edition (2021-11) [documents 61/6369/FDIS and 61/6419/RVD] and its amendment 1 (2025-06) [documents 61/7322/CDV and 61/7406/RVC].

In this Redline version, a vertical line in the margin shows where the technical content is modified by amendment 1. Additions are in green text, deletions are in strikethrough red text. A separate Final version with all changes accepted is available in this publication.

IEC 60335-2-106 has been prepared by IEC technical committee 61: Safety of household and similar electrical appliances. It is an International Standard.

This second edition cancels and replaces the first edition published in 2007. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) the text has been aligned with IEC 60335-1:2020;
- b) some notes have been converted to normative text (Clause 1, 5.2, 5.3, 5.6, 7.12.1, 7.101, 10.1, 18.101.1, 18.101.2, 18.102.5, 19.1, 19.103, 21.1, 21.104, 21.105, 30.102);
- c) requirements for portable heated carpets have been added (Clause 1, 5.2, 5.5, 6.1, 6.2, 7.1, 7.6, 7.12, 7.14, 7.101, 11.8, 15.1, 15.101, 16.1, 16.2, 16.3, 19.101, 19.102, 19.103, 21.105, 21.106, 24.1.5, 24.2, 29.3);
- d) requirements for washable portable heated carpets have been added (5.3, 7.1, 7.6, 7.12, 7.14);
- e) the test of 30.102 has been updated.

The text of this International Standard is based on the following documents:

Draft	Report on voting
61/6369/FDIS	61/6419/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

A list of all parts in the IEC 60335 series, published under the general title *Household and similar electrical appliances – Safety*, can be found on the IEC website.

This Part 2 is to be used in conjunction with the latest edition of IEC 60335-1 and its amendments unless that edition precludes it; in that case, the latest edition that does not preclude it is used. It was established on the basis of the sixth edition (2020) of that standard.

NOTE 1 When "Part 1" is mentioned in this standard, it refers to IEC 60335-1.

This Part 2 supplements or modifies the corresponding clauses in IEC 60335-1, so as to convert that publication into the IEC standard: Particular requirements for heated carpets and for heating units for room heating installed under removable floor coverings.

When a particular subclause of Part 1 is not mentioned in this Part 2, that subclause applies as far as is reasonable. When this standard states "addition", "modification", or "replacement", the relevant text in Part 1 is to be adapted accordingly.

NOTE 2 The following numbering system is used:

- subclauses, tables and figures that are numbered starting from 101 are additional to those in Part 1;
- unless notes are in a new subclause or involve notes in Part 1, they are numbered starting from 101, including those in a replaced clause or subclause;
- additional annexes are lettered AA, BB, etc.

NOTE 3 The following print types are used:

- requirements: in roman type;
- *test specifications: in italic type;*
- notes: in small roman type.

Words in **bold** in the text are defined in Clause 3. When a definition concerns an adjective, the adjective and the associated noun are also in bold.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

NOTE 4 The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests.

It is the recommendation of the committee that the content of this publication be adopted for implementation nationally not earlier than 12 months or later than 36 months from the date of publication.

The following differences exist in the countries indicated below.

- 6.1: Class III heating units only are allowed (Finland).

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