

Safety of household and similar electrical appliances —

Part 2-66: Particular requirements for water-bed heaters

The European Standard EN 60335-2-66:1995, with the incorporation of amendment A1:2001, has the status of a British Standard

ICS 97.100

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by Technical Committee CPL/61, Safety of electrical appliances, to Subcommittee CPL/61/34, Blankets, upon which the following bodies were represented:

- Association of Manufacturers of Domestic Electrical Appliances
- British Electrotechnical Approvals Board
- British Refrigeration Association
- Consumer Policy Committee of BSI
- Consumers' Association
- Department of the Environment (Building Research Establishment)
- Electricity Association
- ERA Technology Ltd.
- Home Office

This British Standard, having been prepared under the direction of the Electrotechnical Sector Board, was published under the authority of the Standards Board and comes into effect on 15 March 1996

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The following BSI references relate to the work on this standard:
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Amendments issued since publication

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Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Foreword	2
Text of EN 60335-2-66	5
National annex NA (informative) IEC preface	12

National foreword

This British Standard has been prepared by Subcommittee CPL/61/34 and is the English language version of EN 60335-2-66:1995 *Safety of household and similar electrical appliances — Part 2: Particular requirements for water-bed heaters*, including amendment A1:2001, published by the European Committee for Electrotechnical Standardization (CENELEC). It is identical with IEC 60335-1-66:1993, including amendment 1:2000, published by the International Electrotechnical Commission (IEC).

The start and finish of text introduced or altered by amendment is indicated in the text by tags **A1** **A1**. Tags indicating changes to IEC text carry the number of the IEC amendment. For example, text altered by IEC amendment 1 is indicated by **A1** **A1**.

The foreword of EN 60335-2-66 makes reference to the date of withdrawal, now, of the relevant national standard. In this case there is no relevant national standard as BS EN 60335-2-66 is the first British Standard covering the safety requirements of water-bed heaters.

This British Standard is to be read in conjunction with BS EN 60335-1:1995 *General requirements*. The many references to Part 1 should be read as references to BS EN 60335-1, which is the English language version of EN 60335-1:1994 which was derived from the second impression, 1993, of IEC publication 60335-1 (third edition 1991). Amendments and revisions of Part 1 have also to be taken into account and the dates when such changes become applicable will be stated in the relevant amendment or revision of Part 1.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 12, an inside back cover and a back cover.

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Descriptors: Household electrical appliances, heating systems, mattresses, water, safety requirements, protection against electric shock, protection against mechanical hazard, fire protection

English version

Safety of household and similar electrical appliances — Part 2-66: Particular requirements for water-bed heaters

(includes amendment A1:2001)
(IEC 60335-2-66:1993 + A1:2000)

Sécurité des appareils électrodomestiques et
analogues —
Partie 2-66: Règles particulières pour les
dispositifs de chauffage pour matelas à eau
(inclut l'amendement A1:2001)
(CEI 60335-2-66:1993 + A1:2000)

Sicherheit elektrischer Geräte für den
Hausgebrauch und ähnliche Zwecke —
Teil 2-66: Besondere Anforderungen für
Wasserbett-Beheizungen
(enthält Änderung A1:2001)
(IEC 60335-2-66:1993 + A1:2000)

This European Standard was approved by CENELEC on 1995-07-04. Amendment A1 was approved by CENELEC on 2000-11-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B-1050 Brussels

Foreword

The proposal to endorse IEC 335-2-66:1993, document CLC/TC 61 (SEC) 919, was circulated under the enquiry procedure in September 1993. This proposal was discussed during the Oslo meeting in April 1994, when it was decided to submit a draft for EN 60335-2-66 to the formal vote.

This draft was circulated in January 1995 and was ratified by CENELEC as EN 60335-2-66 on 1995-07-04.

This European Standard has been prepared by the secretariat of CENELEC Technical Committee TC 61.

The following dates are applicable:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 1996-04-01
- latest date on which national standards conflicting with the EN have to be withdrawn (dow) 1998-04-01

For products which have complied with the relevant national standard before 1998-04-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2003-04-01.

This standard has to be used in conjunction with EN 60335-1, *Safety of household and similar electrical appliances, Part 1: General requirements*. It was established on the basis of the 1994 edition of that standard. Amendments and revisions of Part 1 have also to be taken into account and the dates when such changes become applicable will be stated in the relevant amendment or revision of Part 1.

This Part 2 supplements or modifies the corresponding clauses of EN 60335-1, so as to convert it into the European Standard: *Safety requirements for water-bed heaters*.

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

Subclauses which are additional to those in Part 1 are numbered starting with 101.

There are no special national conditions causing a deviation from this European Standard, other than those listed in Annex ZA to EN 60335-1.

There are no national deviations from this European Standard, other than those listed in Annex ZB to EN 60335-1.

NOTE 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 2. When a definition of Part 1 concerns an adjective, the adjective and the associated noun are also in bold.

Foreword to amendment A1

The text of document 61/1877/FDIS, future amendment to IEC 60335-2-66:1993 prepared by the IEC Technical Committee 61, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A1 to EN 60335-2-66:1995 on 2000-11-01.

The following dates are applicable:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2001-08-01
- date on which national standards conflicting with the amendment have to be withdrawn (dow) 2003-11-01

This amendment supplements or modifies the corresponding clauses of EN 60335-2-66:1995.

There are no special conditions causing a deviation from this amendment.

There are no national deviations from this amendment.

Introduction to amendment A1

An investigation by CENELEC TC 61 has shown that all risks from products within the scope of this standard are fully covered by the Low Voltage Directive, 73/23/EEC. If the product has mechanical moving parts, a risk assessment in accordance with the Mandatory Directive, 89/392/EEC, has shown that the risks are mainly of electrical origin and consequently this directive is not applicable. However, the relevant essential safety requirements of the Machinery Directive are covered by this standard together with the principal objectives of the Low Voltage Directive.