
Safety of household and similar electrical appliances - Part 2: Particular requirements for battery chargers

Safety of household and similar electrical appliances -- Part 2: Particular requirements for battery chargers

Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke -- Teil 2: Besondere Anforderungen für Batterieladegeräte

Sécurité des appareils électrodomestiques et analogues -- Partie 2: Règles particulières pour chargeurs de batteries

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Ta slovenski standard je istoveten z: EN 60335-2-29:1991/A2:1993

ICS:

13.120	Varnost na domu	Domestic safety
97.180	Razna oprema za dom in trgovino	Miscellaneous domestic and commercial equipment

SIST EN 60335-2-29:1995

en

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EUROPEAN STANDARD
NORME EUROPEENNE
EUROPAISCHE NORM

EN 60335-2-29

February 1991

UDC 64.06-83:621.354.32:614.8

Descriptors: Household electrical appliances, battery chargers, safety requirements, protection against electric shocks, fire protection, protection against mechanical hazard

English version

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES
PART 2: PARTICULAR REQUIREMENTS FOR BATTERY CHARGERS
(IEC 335-2-29:1987 + Amendment 1:1989, modified)

Sécurité des appareils
électrodomestiques
et analogues

Deuxième partie:

Règles particulières pour
les chargeurs de batteries

(CEI 335-2-29:1987 +

Modification 1:1989, modifiées)

Sicherheit elektrischer
Geräte für den Hausgebrauch
und ähnliche Zwecke

Teil 2:

Besondere Anforderungen für
Batterieladegeräte

(IEC 335-2-29:1987 +

Änderung 1:1989, modifiziert)

iTeh STANDARD PREVIEW

(standards.iteh.ai)

This European Standard was approved by CENELEC on 11 June 1990. 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

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Ref. No. EN 60335-2-29:1991 E

Page 2
EN 60335-2-29:1991

BRIEF HISTORY

The proposal to endorse the second edition of IEC Publication 335-2-29 and its amendment 1, documents CLC/TC 61 (SEC) 561 and 658, was circulated under the enquiry procedure in June 1987 and September 1988.

This proposal was discussed during the Brussels meeting in May 1989 when it was decided to submit a draft for EN 60335-2-29 to the voting procedure. This procedure started in January 1990.

The text of this draft was ratified by the CENELEC Technical Board on the 11th of June 1990.

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SIST EN 60335-2-29:1995

<https://standards.iteh.ai/catalog/standards/sist/7d596856-f095-41a7-a42b-ba65fa3e2756/sist-en-60335-2-29-1995>

FOREWORD

R This European Standard has been prepared by the Secretariat of CENELEC Technical Committee 61.

The following dates are applicable:

- date of announcement (doa) 1990-11-01
- date of latest publication (dop) 1991-09-01
- date of withdrawal of conflicting national standards (dow) 1993-09-01

For products which have complied with the relevant national standard before 1993-08-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1998-09-01.

This document supplements or modifies the corresponding clauses of IEC 335-2-29:1987 and its amendment 1:1989, so as to convert that standard into the European Standard EN 60335-2-29.

This standard has to be used in conjunction with EN 60335-1:1988, Safety of household and similar electrical appliances, Part 1: General requirements, including its amendments A2:1988, A5:1989 and A6:1989.

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 in addition to those in IEC 335-1 are numbered starting with 101.

Special national conditions (snc) causing a deviation from this European Standard are listed in annex ZX and are in addition to those in EN 60335-1.

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

Other publications quoted in this standard:

- EN 60335-2-19:1989 Particular requirements for battery-powered shavers, hair clippers and similar appliances and their charging and battery assemblies.
- EN 60335-2-20:1989 Particular requirements for battery-powered toothbrushes, and their charging and battery assemblies.
- HD 327 S2:1988 Safety requirements for electronic flash apparatus for photographic purposes.
- IEC 335-2-18:1984 Guide for preparing safety requirements for battery-powered motor-operated appliances and their charging and battery assemblies.

r The following print types are used:

- R - requirements: in roman type,
- i - test specifications: in italic type,
- r - explanations: in small roman type.

p Note. In this document the following indications are used in the margin:
R for roman type,
i for italic type,
r for small roman type,
p for instructions for preparing the printed version.

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SIST EN 60335-2-29:1995

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ENDORSEMENT NOTICE

- p IEC 335-2-29:1987 including its amendment 1:1989 applies, taking into account the following common modifications.

COMMON MODIFICATIONS

- i Foreword Delete.
Prefaces Delete.

1 SCOPE

- p 1.1 Replace "IEC Publications 335-2-19 and 335-2-20" by "EN 60335-2-19 and EN 60335-2-20".

In amendment 1, replace "IEC Publication 491" by "HD 327".

16 INSULATION RESISTANCE AND ELECTRIC STRENGTH

- p 16.4 In amendment 1, replace "rated output voltage" by "rated input voltage". (standards.iteh.ai)

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ANNEX ZX (normative)

SPECIAL NATIONAL CONDITIONS

- R The following special national conditions, which are in addition to those in EN 60335-1, exist in the countries mentioned.

25.6 **FINLAND**

Automobile battery chargers are not allowed to be fitted with PVC insulated cords.

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EUROPEAN STANDARD
NORME EUROPEENNE
EUROPAISCHE NORM

EN 60335-2-29/A2

April 1993

UDC 64.06-83:621.354.32:614.8

Descriptors: Household electrical appliances, battery chargers, safety requirements, protection against electric shock, fire protection, protection against mechanical hazard

Amendment A2 to the English version of EN 60335-2-29

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES
PART 2: PARTICULAR REQUIREMENTS FOR BATTERY CHARGERS
(Amendment 2:1991 to IEC 335-2-29:1987, modified)

Sécurité des appareils
électrodomestiques
et analogues
Deuxième partie:
Règles particulières pour
les chargeurs de batteries
(Amendement 2:1991 à la
CEI 335-2-29:1987, modifié)

Sicherheit elektrischer
Geräte für den Hausgebrauch
und ähnliche Zwecke
Teil 2:
Besondere Anforderungen für
Batterieladegeräte
(Änderung 2:1991 zu
IEC 335-2-29:1987, modifiziert)

iTeh STANDARD PREVIEW

This amendment A2 modifies the European Standard EN 60335-2-29:1991. It was approved by CENELEC on 9 March 1993. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

<https://standards.iteh.ai/catalog/standards/sist/7d596856-f095-41a7-a42b-b65813756181/sist-en-60335-2-29-1995>

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 amendment 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

R The proposal to endorse amendment 2:1991 to IEC 335-2-29:1987, document CLC/TC 61 (SEC) 800, was circulated under the CENELEC enquiry procedure in August 1991. This proposal was discussed during the Valadares meeting in April 1992, when it was decided to submit a draft for an amendment to EN 60335-2-29:1991 to the voting procedure.

This draft was circulated as prAA in August 1992 and was ratified by CENELEC as amendment A2 on 9 March 1993.

There is no amendment A1 to EN 60335-2-29.

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

The following dates are applicable:

- latest date of publication of an identical national standard (dop) 1993-12-01
- date of withdrawal of conflicting national standards (dow) 1995-12-01

For products which have complied with EN 60335-2-29:1991 before 1995-12-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2000-12-01.

EN 60335-2-29 including this amendment has to be used in conjunction with EN 60335-1:1988, including its amendments A2:1988, A5:1989, A6:1989, A51:1991, A52:1992, A53:1992, A54:1992 and A55:1993.

There are no special national conditions (snc) causing a deviation from this amendment.

There are no national deviations from this amendment.

Other publication quoted in this amendment:

HD 323.2.6 S2:1988 Basic environmental testing procedures
Part 2: Tests - Test Fc and guidance: Vibration
(sinusoidal)

ENDORSEMENT NOTICE

- R The text of amendment 2:1991 to the International Standard IEC 335-2-29:1987 was approved by CENELEC as an amendment to the European Standard with agreed common modifications as given below.

COMMON MODIFICATIONS

- p Prefaces Delete.
- 21 Mechanical strength
- p 21.102 Replace "IEC 68-2-6" by "HD 323.2.6 S2".

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NORME INTERNATIONALE INTERNATIONAL STANDARD

CEI
IEC
335-2-29

Deuxième édition
Second edition
1987



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

Sécurité des appareils électrodomestiques et analogues

Deuxième partie: Règles particulières pour les chargeurs de batteries

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Safety of household and similar electrical appliances

Part 2: Particular requirements for battery chargers

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