

Electric fence energizers — Safety requirements for battery-operated electric fence energizers suitable for connection to the supply mains

The European Standard EN 61011-1:1992 has the status of a British Standard

UDC 631.273.3:621.311.61/62:620.1:614.8

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Ireland	United Kingdom

This British Standard, having been prepared under the direction of the Light Electrical Engineering Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 15 January 1993

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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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8559	May 1995	Indicated by a sideline in the margin

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National foreword

This British Standard has been prepared under the direction of the Light Electrical Engineering Standards Policy Committee and is the English language version of EN 61011-1:1992 *Electric fence energizers. Safety requirements for battery-operated electric fence energizers suitable for connection to the supply mains*, together with amendment A2:1994 (there is no amendment A1), published by the European Committee for Electrotechnical Standardization (CENELEC). It was derived by CENELEC from IEC Publication 1011-1:1989 first edition, together with amendment 2:1994 (incorporating amendment 1:1991), which has the same title as the European Standard.

The CENELEC common modifications have been implemented at the appropriate places in the text of IEC Publication 1011-1:1989 first edition, and are indicated by a side line in the margin. Parts of the original IEC text that have been modified by CENELEC have been quoted in National annex NA.

Annexes designated “normative” are part of the body of the standard. Annexes designated “informative” are given for information only. National annexes are designated “informative”.

This British Standard is to be read in conjunction with BS EN 61011:1993 *Electric fence energizers. Safety requirements for mains-operated electric fence energizers*, which it supplements or modifies. The many references to EN 61011 should be read as references to BS EN 61011 which is the English language version of EN 61011 which was derived from IEC 1011:1989 first edition.

This British Standard supersedes BS 6369:1983 which will be withdrawn on 1 July 1993 in accordance with the CENELEC Internal Regulations.

The foreword of EN 61011-1:1992/Amendment A2:1994 makes reference to the “date of withdrawal”, *dow*, of the relevant national standard. In this case the relevant national standard is the unamended BS EN 61011-1:1993 for which the date of withdrawal is set at 15 December 1994. Certificates and Marks will not be awarded after this date with regard to the former version of the standard. However such Certificates and Marks already awarded may continue to apply for production until 15 December 1999.

Cross references The relationship between other international publications quoted in this standard and British Standards, which are either identical or technically equivalent is given in National annex NC.

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 14, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

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Descriptors: Electrical installation, electric fence, supply mains, battery, accumulator, safety requirement

English version

Electric fence energizers Safety requirements for battery-operated electric fence energizers suitable for connection to the supply mains

(include amendment A2:1994)
(IEC 1011-1:1989, modified)

Electrificateurs de clôtures
Règles de sécurité pour électrificateurs de
clôtures fonctionnant sur piles ou
accumulateurs et destinés à être raccordés au
réseau de distribution d'énergie
(inclut l'amendement A2:1994)
(CEI 1011-1:1989, modifiée)

Elektrozaungeräte
Sicherheitsbestimmungen für
Elektrozaungeräte für Netzanschluß und
Batteriebetrieb
(enthält Änderungen A2:1994)
(IEC 1011-1:1989, modifiziert)

This European Standard was approved by CENELEC on 10 December 1991. 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

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Foreword

The CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 1011-1:1989 could be accepted without textual changes, has shown that some common modifications were necessary for the acceptance as European Standard. The reference document, together with the common modifications prepared by the CENELEC Reporting Secretariat SR 61H, was submitted to the CENELEC members for formal vote.

The text of the draft was approved by CENELEC as EN 61011-1 on 10 December 1991.

The following dates were fixed:

- latest date of publication (dop) 1993-01-01 of an identical national standard
- latest date of withdrawal (dow) 1993-07-01 of conflicting national standards

For products which have complied with the relevant national standard before 1993-07-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1998-07-01.

This standard is intended to be used in conjunction with EN 61011 — Electric fence energizers — Safety requirements for mains-operated electric fence energizers.

The clauses of this standard supplement or modify the corresponding clauses of EN 61011. Where a particular subclause of EN 61011 is not mentioned in this standard, that subclause applies as far as is reasonable. Where this standard states “addition”, “modification” or “replacement”, the relevant text of EN 61011 is to be adapted accordingly.

Subclauses, figures or tables which are in addition to those in EN 61011 are numbered starting from 101.

Annexes which are in addition to those in IEC 1011-1 are numbered ZA, ZB etc. Annexes designated “normative” are part of the body of the standard. Annexes designated “informative” are given only for information. In this standard, Annex ZA (special national conditions) and Annex ZC (cross references) are normative, Annex ZB (A-deviations) is informative.

NOTE In this document, the following print types are used

- requirements proper: in roman type;
- *test specifications: in italic type;*
- explanatory matter: in smaller roman type.

Foreword to Amendment A2

The text of document 61H(CO)28, as prepared by Subcommittee 61H: Safety of electrically-operated farm appliances, of IEC Technical Committee 61: Safety of household and similar electrical appliances, was submitted to the IEC-CENELEC parallel vote in August 1992.

The reference document was approved by CENELEC as amendment A2 to EN 61011-1:1992 on 1993-07-06.

A draft for an amendment to EN 61011-1:1992 was submitted to the Unique Acceptance Procedure (UAP) in December 1992 as prAA and was approved by the 77th Technical Board of CENELEC on 1993-09-22.

At that same meeting, the Technical Board decided to postpone the national implementation of the ratified amendments (AA and A2) until evaluation of the voting results on EN 61011-1/prA1, and to combine the three amendments into one amendment (A2), so as to maintain alignment with the numbering of the IEC amendments.

The text of amendment 1:1991 to IEC 1011-1:1989 was submitted to the formal vote in October 1993 and was approved by CENELEC as amendment A1 to EN 61011-1:1992 on 1994-03-08.

For the resulting amendment A2, the following dates were fixed:

- latest date of publication (dop) of an identical national standard 1994-12-15
- latest date of withdrawal (dow) of conflicting national standards 1994-12-15

For products which have complied with EN 61011-1:1992 before 1994-12-15, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1999-12-15.

This amendment was established on the basis of EN 61011:1992 as modified by its amendment A2:1994. Consideration may be given to future editions of or amendments to, EN 61011.

There are no special national conditions or A-deviations to this amendment.

Endorsement notice

The text of amendment 2:1993 (incorporating amendment 1:1991) to IEC 1011-1:1989 was approved by CENELEC as an amendment to the European Standard without any modification.