



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 60896-11:2003

ICS 29.220.20

**STATIONARY LEAD-ACID BATTERIES
PART 11: VENTED TYPES -
GENERAL REQUIREMENTS AND METHODS
OF TESTS
(IEC 60896-11:2002)**

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*This Irish Standard was
published under the
authority of the National
Standards Authority of
Ireland
and comes into effect on
February 28, 2003*

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Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD

EN 60896-11

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2003

ICS 29.220.20

Supersedes EN 60896-1:1991 + A2:1992

English version

Stationary lead-acid batteries
Part 11: Vented types -
General requirements and methods of tests
(IEC 60896-11:2002)

Batteries stationnaires au plomb
Partie 11: Batteries au plomb
du type ouvert -
Prescriptions générales
et méthodes d'essai
(CEI 60896-11:2002)

Ortsfeste Blei-Akkumulatoren
Teil 11: Geschlossene Batterien -
Allgemeine Anforderungen und
Prüfverfahren
(IEC 60896-11:2002)

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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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, 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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EN 60896-11:2003

- 2 -

Foreword

The text of document 21/572/FDIS, future edition 1 of IEC 60896-11, prepared by IEC TC 21, Secondary cells and batteries, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60896-11 on 2002-12-01.

This European Standard supersedes EN 60896-1:1991 + A2:1992.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2003-09-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2005-12-01

Annexes designated "normative" are part of the body of the standard.
Annexes designated "informative" are given for information only.
In this standard, annex ZA is normative and annex A is informative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60896-11:2002 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-151	- ¹⁾	International Electrotechnical Vocabulary (IEV) Part 151: Electrical and magnetic devices	-	-
IEC 60051	Series	Direct acting indicating analogue electrical measuring instruments and their accessories	EN 60051	Series
IEC 60359	- ¹⁾	Electrical and electronic measurement equipment - Expression of performance	EN 60359	2002 ²⁾
IEC 60417	Series	Graphical symbols for use on equipment	EN 60417	Series
IEC 60485	- ¹⁾	Digital electronic d.c. voltmeters and d.c. electronic analogue-to-digital converters	-	-

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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