



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61044 : 1993

ICS 29.220.20
43.120

**OPPORTUNITY-CHARGING OF LEAD-ACID
TRACTION BATTERIES**

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Údarás um Chaighdeáin Náisiúnta na hÉireann

DECLARATION

OF

SPECIFICATION

ENTITLED

OPPORTUNITY-CHARGING OF LEAD-ACID TRACTION BATTERIES

AS

THE IRISH STANDARD SPECIFICATION FOR

OPPORTUNITY-CHARGING OF LEAD-ACID TRACTION BATTERIES

EOLAS - The Irish Science and Technology Agency in exercise of the power conferred by section 20 (3) of the Industrial Research and Standards Act, 1961 (No. 20 of 1961) and the Science and Technology Act, 1987 (No. 30 of 1987), and with the consent of the Minister for Enterprise and Employment, hereby declares as follows:

- 1. This instrument may be cited as the Standard Specification (Opportunity-Charging of Lead-Acid Traction Batteries) Declaration, 1993.**
- 2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Opportunity-Charging of Lead-Acid Traction Batteries. The Schedule comprises the text of EN 61044 : 1992.**
(2) The said standard specification may be cited as Irish Standard/EN 61044 : 1993 or as I.S./EN 61044 : 1993.

EUROPEAN STANDARD

EN 61044

NORME EUROPEENNE

EUROPÄISCHE NORM

October 1992

UDC 621.355.2

Descriptors: Cell or battery, lead acid battery, traction battery, charging, use

ENGLISH VERSION

Opportunity-charging of lead-acid traction
batteries
(IEC 1044:1990)

Charge opportune des batteries
de traction au plomb
(CEI 1044:1990)

Zwischenladen von
Blei-Antriebsbatterien
(IEC 1044:1990)

This European Standard was approved by CENELEC on 1992-09-15.
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 CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 1044:1990 (Technical Report) could be accepted without textual changes, has shown that no common modifications were necessary for the acceptance as European Standard.

The reference document was submitted to the CENELEC members for formal vote and was approved by CENELEC as EN 61044 on 15 September 1992.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1993-09-01
- latest date of withdrawal of conflicting national standards (dow) 1993-09-01

Annexes designated "normative" are part of the body of the standard. In this standard, annex ZA is normative.

ENDORSEMENT NOTICE

The text of the International Standard IEC 1044:1990 was approved by CENELEC as a European Standard without any modification.

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