

# Lead-acid traction batteries —

## Part 1: General requirements and methods of test

The European Standard EN 60254-1:2005 has the status of a  
British Standard

ICS 29.220.20

## National foreword

This British Standard is the UK implementation of EN 60254-1:2005. It is identical with IEC 60254-1:2005. It supersedes BS EN 60254-1:1997 which will be withdrawn on 1 May 2008, and BS 7483:1991 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PEL/21, Secondary cells and batteries.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

**Compliance with a British Standard cannot confer immunity from legal obligations.**

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 13 October 2005

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### Amendments issued since publication

| Amd. No.                   | Date           | Comments                         |
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|                            |                |                                  |
|                            |                |                                  |

English version

**Lead-acid traction batteries**  
**Part 1: General requirements and methods of test**  
(IEC 60254-1:2005)

Batteries d'accumulateurs de traction  
au plomb  
Partie 1: Exigences générales  
et méthodes d'essais  
(CEI 60254-1:2005)

Blei-Antriebsbatterien  
Teil 1: Allgemeine Anforderungen  
und Prüfungen  
(IEC 60254-1:2005)

This European Standard was approved by CENELEC on 2005-05-01. 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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, 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 text of document 21/619/FDIS, future edition 4 of IEC 60254-1, prepared by IEC TC 21, Secondary cells and batteries, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60254-1 on 2005-05-01.

This European Standard supersedes EN 60254-1:1997.

The principal change is the removal of the original Clause 6 dealing with "Testing procedures for light road vehicle traction batteries", as this is now covered by EN 61982-2. The "high rate discharge test" has been changed from 0,5 h to 1 h and the temperature coefficient of resistance for 1 h discharge included. The opportunity has also been taken to introduce relatively minor revisions where these are now more appropriate due to developments.

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) 2006-02-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2008-05-01

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 60254-1:2005 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 61982-2      NOTE      Harmonized as EN 61982-2:2002 (not modified).

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## CONTENTS

|                                                                                                                             |                                                                                                                                               |    |
|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1                                                                                                                           | Scope and object.....                                                                                                                         | 5  |
| 2                                                                                                                           | Normative references .....                                                                                                                    | 5  |
| 3                                                                                                                           | Functional characteristics.....                                                                                                               | 5  |
| 3.1                                                                                                                         | Capacity (for the test, see 5.2).....                                                                                                         | 5  |
| 3.2                                                                                                                         | Charge retention (for the test, see 5.3).....                                                                                                 | 6  |
| 3.3                                                                                                                         | High-rate discharge performance (for the test, see 5.4).....                                                                                  | 6  |
| 3.4                                                                                                                         | Cyclic endurance (for the test, see 5.5) .....                                                                                                | 6  |
| 4                                                                                                                           | General test conditions.....                                                                                                                  | 6  |
| 4.1                                                                                                                         | Accuracy of measuring instruments (see IEC 60051) .....                                                                                       | 6  |
| 4.2                                                                                                                         | Preparation and maintenance of the test cells or batteries.....                                                                               | 7  |
| 4.3                                                                                                                         | Characteristics of a fully charged cell or battery (unless the state of a fully charged battery is otherwise stated by the manufacturer)..... | 8  |
| 5                                                                                                                           | Testing procedure .....                                                                                                                       | 8  |
| 5.1                                                                                                                         | Sequence of performance of the tests .....                                                                                                    | 8  |
| 5.2                                                                                                                         | Capacity test .....                                                                                                                           | 8  |
| 5.3                                                                                                                         | Charge retention test.....                                                                                                                    | 9  |
| 5.4                                                                                                                         | High-rate discharge performance test.....                                                                                                     | 10 |
| 5.5                                                                                                                         | Cyclic endurance test.....                                                                                                                    | 10 |
| 6                                                                                                                           | Specific values .....                                                                                                                         | 12 |
| 6.1                                                                                                                         | Energy density .....                                                                                                                          | 12 |
| Annex ZA (normative) Normative references to international publications with their corresponding European publications..... |                                                                                                                                               | 13 |
| Bibliography .....                                                                                                          |                                                                                                                                               | 14 |

