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Standards

Irish Standard  
I.S. EN 50342-4:2009

# Lead-acid starter batteries -- Part 4: Dimensions of batteries for heavy vehicles

## I.S. EN 50342-4:2009

*Incorporating amendments/corrigenda issued since publication:*

|                                                                                                               |                                                                            |                                                                           |
|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------------------------------|
| <i>This document replaces:</i><br>EN 60095-4:1993                                                             | <i>This document is based on:</i><br>EN 50342-4:2009<br>EN 60095-4:1993    | <i>Published:</i><br>17 July, 2009<br>6 July, 1993                        |
| This document was published under the authority of the NSAI and comes into effect on:<br><br>19 January, 2010 |                                                                            | ICS number:<br>29.220.20                                                  |
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| Údarás um Chaighdeáin Náisiúnta na hÉireann                                                                   |                                                                            |                                                                           |

English version

**Lead-acid starter batteries -  
Part 4: Dimensions of batteries for heavy vehicles**

Batteries d'accumulateurs  
de démarrage au plomb -  
Partie 4: Dimensions des batteries  
pour poids lourds

Blei-Akkumulatoren-Starterbatterien -  
Teil 4: Maße von  
Nutzkraftwagen-Batterien

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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.

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**CENELEC**

European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**Central Secretariat: Avenue Marnix 17, B - 1000 Brussels**

**I.S. EN 50342-4:2009**

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**Foreword**

This European Standard was prepared by the Technical Committee CENELEC TC 21X, Secondary cells and batteries.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 50342-4 on 2009-07-01.

This European Standard supersedes EN 60095-4:1993 + A11:1994.

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) 2010-07-01
  - latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2012-07-01
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## **1 Scope and object**

This European Standard is applicable to lead-acid batteries used for heavy vehicles.

The object of this European Standard is to specify the European requirements of the main dimensions of starter batteries.

For new and future developments of the above applications it is strongly recommended that only batteries from the “Preferred Types” series be used.

Batteries of the series of “Other Types” exist under several national standards. They have been transferred from the previous standard EN 60095-4.

The preferred types A, B and C are newly introduced and correspond closely to the types D4, D5 and D6 with some differences in tolerances and dimensions.

## **2 Normative references**

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 50342-1, Lead-acid starter batteries – Part 1: General requirements and methods of test

EN 50342-2, Lead-acid starter batteries – Part 2: Dimensions of batteries and marking of terminals

EN 61429, Marking of secondary cells and batteries with the international recycling symbol ISO 7000-1135 and indications regarding directives 93/86/EEC and 91/157/EEC (IEC 61429)

EN ISO 1043-1:2001, Plastics – Symbols and abbreviated terms – Part 1: Basic polymers and their special characteristics (ISO 1043-1:2001)

IEC 60050-482:2004, International Electrotechnical Vocabulary (IEV) – Part 482: Primary and secondary cells and batteries

IEC 60417 database, Graphical symbols for use on equipment

## **3 Definitions**

For the purposes of this document, the terms and definitions of IEC 60050-482 are applicable.

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