



NSAI
Standards

Irish Standard
I.S. EN 50342-4:2020

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

I.S. EN 50342-4:2020

Incorporating amendments/corrigenda/National Annexes issued since publication:

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This document is based on:

EN 50342-4:2020

Published:

2020-11-20

*This document was published
under the authority of the NSAI
and comes into effect on:*

2020-12-07

ICS number:

29.220.20

NOTE: If blank see CEN/CENELEC cover page

NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

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National Foreword

I.S. EN 50342-4:2020 is the adopted Irish version of the European Document EN 50342-4:2020, Lead-acid starter batteries - Part 4: Dimensions of batteries for heavy vehicles

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EUROPEAN STANDARD

EN 50342-4

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2020

ICS 29.220.20

Supersedes EN 50342-4:2009 and all of its amendments
and corrigenda (if any)

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 50342-4:2020) has been prepared by CLC/TC 21X “Secondary cells and batteries”.

The following dates are fixed:

- latest date by which this document has (dop) 2021-10-26
to be implemented at national level by
publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2023-10-26
standards conflicting with this document
have to be withdrawn

This document supersedes EN 50342-4:2009 and all of its amendments and corrigenda (if any).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

EN 50342-4:2020 (E)

1 Scope

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

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

For new and future developments of the above applications, it is expected 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 documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 50342-5, *Lead-acid starter batteries - Part 5: Properties of battery housings and handles*

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

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

IEC 60417, *Graphical symbols for use on equipment*

ISO 11469, *Plastics — Generic identification and marking of plastics products*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 60050-482 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

4 General requirements

4.1 Safety labelling

The batteries shall bear the six coloured safety symbols in accordance with EN 50342-1.

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