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NSAI Standards

Irish Standard
I.S. EN 50342-2:2019

Lead-acid starter batteries - Part 2: Dimensions of batteries and marking of terminals

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I.S. EN 50342-2:2019

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I.S. EN 50342-2:2019 is the adopted Irish version of the European Document EN 50342-2:2019, Lead-acid starter batteries - Part 2: Dimensions of batteries and marking of terminals

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 50342-2

October 2019

ICS 29.220.20

Supersedes EN 50342-2:2007 and all of its amendments and corrigenda (if any)

English Version

Lead-acid starter batteries - Part 2: Dimensions of batteries and marking of terminals

Batteries d'accumulateurs de démarrage au plomb - Partie 2: Dimensions des batteries et marquage des bornes

Blei-Akkumulatoren-Starterbatterien - Teil 2: Maße von Batterien und Kennzeichnung von Anschlüssen

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European foreword

This document (EN 50342-2:2019) has been prepared by CLC/TC 21X ”Secondary cells and batteries“.

The following dates are fixed:

• latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2020-08-19
• latest date by which the national standards conflicting with this document have to be withdrawn	(dow)	2022-08-19

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1 Scope

This document is applicable to lead-acid batteries used for starting, lighting and ignition of passenger automobiles and light commercial vehicles with a nominal voltage of 12 V.

All batteries in accordance with this document can be fastened to the vehicle either by means of the ledges around the case or by means of a hold-down device engaging with the lid.

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*

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*

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

3 Terms and definitions

For the purpose 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 http://www.iso.org/obp

4 General requirements

4.1 General

The following specifications are common to all vehicle batteries, not only for the batteries of this standard.

4.2 Marking

4.2.1 Safety labelling

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

4.2.2 Marking of the polarity of terminals

4.2.2.1 General

The batteries shall be marked with signs for both polarities that have to be positioned near to or on the top face of the terminals.

4.2.2.2 Marking of positive terminals

This marking shall take the form of the symbol “+” either on the upper surface of the positive terminal or on the lid adjacent to the positive terminal.

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