

STN	Olovené štartovacie batérie Časť 2: Rozmery batérií a označovanie svoriek	STN EN 50342-2 36 4310
------------	--	--

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

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 04/20

Obsahuje: EN 50342-2:2019

Oznámením tejto normy sa od 19.08.2022 ruší
STN EN 50342-2 (36 4310) z júna 2008

130689

EUROPEAN STANDARD

EN 50342-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

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

This European Standard was approved by CENELEC on 2019-08-19. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



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

Contents

Page

European foreword	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 General requirements.....	4
4.1 General.....	4
4.2 Marking	4
4.2.1 Safety labelling.....	4
4.2.2 Marking of the polarity of terminals.....	4
4.3 Recycling	5
4.3.1 Recycling of lead	5
4.3.2 Recycling of plastic material	5
4.4 Dimensions and design	6
5 Recommended types.....	6
5.1 General.....	6
5.2 Main dimensions of batteries	6
5.3 Handles	11
5.3.1 General.....	11
5.3.2 Mounting of handles.....	12
5.4 Mounting of batteries	12
5.4.1 General.....	12
5.4.2 Dimensions and arrangement of ledges and notches	12
5.5 Terminals	13
5.5.1 Position of terminals	13
5.5.2 Dimensions of battery terminals	13
5.5.3 Marking of polarity.....	14
5.6 Special features of the battery lid	14
5.6.1 General.....	14
5.6.2 Semi bloc lid.....	14
5.6.3 Central degassing.....	14
5.6.4 Recessed holes.....	15
5.6.5 Removable cell plugs	16
5.6.6 Position of sensor openings	16
5.7 Handling of starter batteries by robot-equipment.....	16
5.8 Bulging and reinforcement of battery side walls	18
6 Other battery types	19
6.1 General.....	19
6.2 Main dimensions of batteries	20
6.3 Handles	25
6.4 Mounting of batteries	25
6.4.1 General.....	25
6.4.2 Dimensions and arrangement of ledges and notches	25
6.5 Terminals	26
6.5.1 Position of terminals	26
6.5.2 Dimensions of battery terminals	26
6.5.3 Marking of polarity.....	26
6.6 Handling of starter batteries by robot-equipment.....	26
Bibliography	29

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

This document supersedes EN 50342-2:2007 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 50342-2:2019 (E)**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*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN