

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

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

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



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INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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ELECTROTECHNIQUE  
INTERNATIONALE

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## CONTENTS

FOREWORD.....	4
1 Scope.....	6
2 Normative references .....	6
3 Terms and definitions .....	6
4 General .....	6
4.1 Marking .....	6
4.1.1 Safety labelling .....	6
4.1.2 Marking of the polarity .....	7
4.2 Marking of plastic material for recycling .....	7
4.2.1 Recycling of lead .....	7
4.2.2 Recycling of plastic material .....	7
4.3 Dimensions and design .....	8
5 Recommended types .....	8
5.1 Recommended types used in Europe (EU) .....	8
5.1.1 General .....	8
5.1.2 Recommended types LN and LBN .....	8
5.2 Recommended types used in North America (AM) .....	21
5.2.1 General .....	21
5.2.2 Terminals and terminal configuration .....	21
5.2.3 Standard fastening on the bottom .....	22
5.2.4 Main dimensions of the battery series AM .....	24
5.3 Recommended types used in East Asia (AS) .....	28
5.3.1 General .....	28
5.3.2 Terminals and terminal configuration .....	28
5.3.3 Main dimensions of the battery series AS .....	29
6 Other battery types .....	30
6.1 Other battery types used in Europe (EU) .....	30
6.1.1 General .....	30
6.1.2 Battery series .....	30
6.1.3 Handles, if any .....	31
6.1.4 Standard fastening .....	31
6.1.5 Dimensions of batteries .....	31
6.1.6 Terminals .....	32
6.1.7 Handling of starter batteries by robot-equipment .....	33
Bibliography.....	41
Figure 1 – Marking of polarity .....	7
Figure 2 – Example of marking of material .....	8
Figure 3 – Main dimensions of batteries and arrangement of standard fastening system, the top clamping area "M", the terminals, recessed holes "K" and the integrated handles (if any) .....	12
Figure 4 – Main dimensions of batteries and arrangement of standard fastening system.....	13
Figure 5 – Main dimensions of batteries and arrangement of standard fastening system.....	14
Figure 6 – Details of ledges .....	16
Figure 7 – Dimensions of positive and negative terminal "P" .....	17

Figure 8 – Degassing outlet (detail “E”).....	17
Figure 9 – Recessed holes for terminal protection cover (detail “K”) .....	18
Figure 10 – Plugs “V” and position of sensor holes “S” .....	18
Figure 11 – Dimensions and positions of grips .....	20
Figure 12 – Terminal post dimensions in mm (1:9 taper ref.).....	21
Figure 13 – Side terminal groove description .....	21
Figure 14 – Side terminal groove dimensions in mm and (in) .....	22
Figure 15 – Design for batteries with ledges on long sides for hold-down-devices in mm and (in) .....	23
Figure 16 – Design for batteries with recesses in long sides for hold-down-devices in mm and (in) .....	23
Figure 17 – Group size 26R, 85 .....	25
Figure 18 – Group size 27, 34, 86 .....	25
Figure 19 – Group size 36R .....	26
Figure 20 – Group size 59, 65 .....	26
Figure 21 – Group size 75 .....	27
Figure 22 – Group size 78, 100 .....	27
Figure 23 – Tapered terminals $T_1$ and $T_2$ .....	28
Figure 24 – Main dimensions of battery series AS .....	29
Figure 25 – Main dimensions of batteries and arrangement of the standard fastening system (ledges, notches) and of the terminals .....	34
Figure 26 – Supplementary dimensions of batteries with permissible alternative fastening, arrangement of ledges, notches and terminals .....	36
Figure 27 – Details of ledges and notches .....	37
Figure 28 – Dimensions of positive and negative terminal “P” .....	38
Figure 29 – Position and dimensions of robotic grips .....	39
Figure 30 – Robotic grips, detail “X” .....	39
Table 1 – Position of sensor holes of Figure 10 .....	11
Table 2 – Main dimensions of batteries of standard series LN with standard fastenings with 5 notches at length side and 3 notches at width side (see Figures 4 and 5) .....	15
Table 3 – Main dimensions of batteries of standard series LBN with standard fastenings with 5 notches at length side and 3 notches at width side (see Figures 4 and 5) .....	15
Table 4 – Dimensions of grips in accordance with Figure 11a and 11b .....	20
Table 5 – Battery series AM .....	24
Table 6 – Dimensions and classification of terminals .....	28
Table 7 – Dimensions of series AS .....	30
Table 8 – Main dimensions of batteries with standard fastening (see Figure 25) .....	35
Table 9 – Supplementary dimension additional to Table 8 (dimension $l_2$ see Figure 26 of batteries with permissible additive fastening by ledges on the short side of the container .....	37
Table 10 – Dimension of grips in accordance with Figure 29a and 29b .....	40

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**LEAD-ACID STARTER BATTERIES –****Part 2: Dimensions of batteries and  
dimensions and marking of terminals**

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International Standard IEC 60095-2 has been prepared by IEC technical committee 21: Secondary cells and batteries.

This fourth edition cancels and replaces the third edition of IEC 60095-2 published in 1984 and its Amendment 1 (1991) and 2 (1993). It constitutes a technical revision.

The main changes consist in a complete update of the dimensions of starter batteries for light vehicles which better reflects the current products in Europe, North America and East Asia. More details are given especially regarding shapes and dimensions of lids, handles, locations of terminals.

The text of this standard is based on the following documents:

FDIS	Report on voting
21/699/FDIS	21/702/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts of the IEC 60095 series, published under the general title *Lead-acid starter batteries*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

## LEAD-ACID STARTER BATTERIES –

### Part 2: Dimensions of batteries and dimensions and marking of terminals

#### 1 Scope

This part of IEC 60095 is applicable to lead-acid batteries used for starting, lighting and ignition of passenger cars and light vehicles with a nominal voltage of 12 V.

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

This standard covers battery sizes of the geographical regions Europe, East Asia and North America.

#### 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.

IEC 60050-482, *International Electrotechnical Vocabulary – Part 482: Primary and secondary cells and batteries*

IEC 60095-1, *Lead-acid starter batteries – Part 1: General requirements and methods of test*

IEC 60417-DB:2002<sup>1</sup>, *Graphical symbols for use on equipment*

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

#### 3 Terms and definitions

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

#### 4 General

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

##### 4.1 Marking

##### 4.1.1 Safety labelling

The batteries shall be marked in accordance with IEC 60095-1.

<sup>1</sup> “DB” refers to the IEC on-line database.