IEC 60095-4

Edition 3.0 2021-07
REDLINE VERSION

INTERNATIONAL STANDARD

colour inside

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

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

ICS 29.220.20; 43.040.10

ISBN 978-2-8322-1005-8

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CONTENTS

FOREWORD....4
1 Scope ~~and object~~....6
2 Normative references....6
3 Terms and definitions....6
4 Common features....7
4.1 Labelling....7
4.2 Marking of polarity....7
4.2.1 General....7
4.2.2 Marking of positive terminals....7
4.2.3 Marking of negative terminals....7
4.2.4 Design and dimensions of marking....7
4.3 Marking of plastic material....7
4.4 Dimensions and design....9
4.5 Dimensions of terminals....9
4.6 Recommendation for new development....10
5 European types....10
5.1 General....10
5.2 Fastening....10
5.3 Dimensions....10
6 North American types....9
6.1 General....14
6.1.1 Overview....14
6.1.2 Fastening....14
6.1.3 Terminal configuration, polarity....14
6.1.4 Terminal dimensions....14
6.2 Dimensions....14
7 East Asian types....20
7.1 General....20
7.1.1 Overview....20
7.1.2 Fastening....20
7.1.3 Terminal configuration, polarity....20
7.1.4 Terminal dimensions....20
7.2 Dimensions....21
Bibliography....23

Figure 1 – Marking of polarity....7
~~Figure 2 – Marking of polypropylene....~~
Figure 2 – Marking of polypropylene-polyethylene copolymer battery components....8
Figure 3 – Dimensions of positive (on the right) and negative (on the left) terminal....10
Figure 4 – EU series – Type D2....12
Figure 5 – EU series – Types A, B, C....13
Figure 6 – AM series – Type 4D....18
~~Figure 7 – Dimensions (mm) of tapered terminal....~~
~~Figure 8 – AM series – Type 8D....~~

~~Figure 9 – AM series – Type 31T~~
~~Figure 10 – Dimensions of stud terminal~~
~~Figure 11 – AM series – Type 31A~~
~~Figure 12 – Dimensions (mm) of tapered terminal~~
Figure 7 – AM series – Type 8D 18
Figure 8 – AM series – Type 31T 19
Figure 9 – Dimensions of stud terminal 19
Figure 10 – AM series – Type 31A 20
Figure 11 – AS series – Type E 41 22
Figure 12 – AS series – Types F51, G51 and H52 22

Table 1 – EU series – Dimensions of batteries 11
Table 2 – AM series – Dimensions of batteries 14
~~Table 3 – Dimensions of tapered terminal~~
Table 3 – AS series – Dimensions of batteries 21

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LEAD-ACID STARTER BATTERIES –

Part 4: Dimensions of batteries for heavy vehicles

FOREWORD

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This redline version of the official IEC Standard allows the user to identify the changes made to the previous edition IEC 60095-4:2008. A vertical bar appears in the margin wherever a change has been made. Additions are in green text, deletions are in strikethrough red text.

International Standard IEC 60095-4 has been prepared by IEC technical committee 21: Secondary cells and batteries.

This third edition cancels and replaces the second edition published in 2008. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) values of "tolerance", in particular for European batteries;

b) update of figures for USA and Asian batteries.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
21/1087/FDIS	21/1091/RVD

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

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

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LEAD-ACID STARTER BATTERIES –

Part 4: Dimensions of batteries for heavy vehicles

1 Scope ~~and object~~

This part of IEC 60095 is applicable to lead-acid batteries used for starting, lighting and ignition of heavy trucks, commercial vehicles, busses and agricultural trucks.

The object of this document is to specify global requirements of the main dimensions of starter batteries for Europe, North America and East Asia.

This document comprises 12 types of "preferred types" of batteries.

This document specifies dimensions of 4 types of batteries each for Europe (types A, B, C and D2), North America (types 4D, 8D, 31T, 31A) and East Asia (types E41, F51, G51, H52).

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.

IEC 60050-482~~:2004~~, *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 60417:2002, *Graphical symbols for use on equipment*

ISO/IEC 10646, *Information technology – Universal coded character set (UCS)*

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

~~ISO 7000, *Graphical symbols for use on equipment – Index and synopsis*~~

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

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IEC 60095-4:2021-07(en)

CONTENTS

FOREWORD....4
1 Scope....6
2 Normative references....6
3 Terms and definitions....6
4 Common features....7
4.1 Labelling....7
4.2 Marking of polarity....7
4.2.1 General....7
4.2.2 Marking of positive terminals....7
4.2.3 Marking of negative terminals....7
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4.3 Marking of plastic material....7
4.4 Dimensions and design....8
4.5 Dimensions of terminals....8
4.6 Recommendation for new development....9
5 European types....9
5.1 General....9
5.2 Fastening....9
5.3 Dimensions....9
6 North American types....11
6.1 General....11
6.1.1 Overview....11
6.1.2 Fastening....11
6.1.3 Terminal configuration, polarity....11
6.1.4 Terminal dimensions....11
6.2 Dimensions....12
7 East Asian types....15
7.1 General....15
7.1.1 Overview....15
7.1.2 Fastening....15
7.1.3 Terminal configuration, polarity....15
7.1.4 Terminal dimensions....15
7.2 Dimensions....15
Bibliography....17

Figure 1 – Marking of polarity....7
Figure 2 – Marking of polypropylene-polyethylene copolymer battery components....8
Figure 3 – Dimensions of positive (on the right) and negative (on the left) terminal....9
Figure 4 – EU series – Type D2....10
Figure 5 – EU series – Types A, B, C....11
Figure 6 – AM series – Type 4D....12
Figure 7 – AM series – Type 8D....13
Figure 8 – AM series – Type 31T....13
Figure 9 – Dimensions of stud terminal....14

Figure 10 – AM series – Type 31A 14
Figure 11 – AS series – Type E 41 16
Figure 12 – AS series – Types F51, G51 and H52 16

Table 1 – EU series – Dimensions of batteries 10
Table 2 – AM series – Dimensions of batteries 12
Table 3 – AS series – Dimensions of batteries 15

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