

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**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**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

LEAD-ACID STARTER BATTERIES –**Part 4: Dimensions of batteries for heavy vehicles**

FOREWORD

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

This second edition cancels and replaces the first edition published in 1989 and its Amendment 1 (1996). It constitutes a technical revision. The main technical changes in this new edition relate to the reduction of the number of European battery types, the standardization of dimensions and locations of battery terminals and the updating and inclusion in the standard of Amendment 1 (1996), related to North America & East Asian battery types.

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

FDIS	Report on voting
21/667/FDIS	21/669/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- withdrawn;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 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 the present standard is to specify global requirements of the main dimensions of starter batteries for Europe, North America and East Asia.

This International Standard comprises 12 types of "preferred types" of batteries.

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

For future new developments of heavy vehicles it is strongly recommended to use only batteries from this standard.

Several other types of batteries exist under the standards of national or regional organisations. They are not included in this International Standard.

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 60050-482:2004, *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, *Graphical symbols for use on equipment*

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*

3 Terms and definitions

For the purposes of this document, the definitions contained in IEC 60050-482 apply.

4 Common features

4.1 Labelling

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