

Lead-acid starter batteries - Part 5: Properties of battery housings and handles

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 50342-5:2010 sisaldab Euroopa standardi EN 50342-5:2010 ingliskeelset teksti.</p> <p>Standard on kinnitatud Eesti Standardikeskuse 31.12.2010 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 05.11.2010.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 50342-5:2010 consists of the English text of the European standard EN 50342-5:2010.</p> <p>This standard is ratified with the order of Estonian Centre for Standardisation dated 31.12.2010 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.</p> <p>Date of Availability of the European standard text 05.11.2010.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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**Lead-acid starter batteries -
Part 5: Properties of battery housings and handles**

Batteries d'accumulateurs de démarrage
au plomb -
Partie 5: Propriétés des poignées et des
bacs et couvercles de batteries

Blei-Akkumulatoren-Starterbatterien -
Teil 5: Eigenschaften der Batteriekästen
und -griffe

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

This European Standard was prepared by the Technical Committee CENELEC TC 21X, Secondary cells and batteries. It was submitted to the Unique Acceptance Procedure and was accepted by CENELEC as EN 50342-5 on 2010-11-01.

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The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2011-11-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2013-11-01

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1 Scope

This European Standard covers multicell battery housings produced of polypropylene as the preferred material for lead-acid batteries as an energy storage device for cranking combustion engines, for lighting and for additional equipment used in road vehicles. These batteries are all referred to as starter batteries.

This European Standard describes battery housings for batteries usable within the engine compartment and for installation under conditions where they are protected from light.

Batteries of this European Standard do not provide additional features for special protection from light. Therefore, batteries with limited protection from light are to be treated as a special case.

The purpose of this European Standard is to describe the properties of battery housings for its use in combustion vehicles by means of uniform examination procedures and by defining the requirements for the raw material and the complete part.

The test procedure and requirements for the complete housing are described in the main part. Test procedures for the raw material are determined in Annex A. Annex B recommends possible test procedures for the material properties taken out of the complete housings, without being normative.

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.

EN 50342-2	Lead-acid starter batteries – Part 2: Dimensions of batteries and marking of terminals
IEC 60050-482	International Electrotechnical Vocabulary – Part 482: Primary and secondary cells and batteries
EN ISO 527 (series)	Plastics – Determination of tensile properties (ISO 527 series)

3 Definitions

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

3.1

battery housing

welded unit of battery case and lid

3.2

battery container

case with multiple cell compartments

3.3

Battery lid

cover for common covering of all cells of a battery case

3.4

hold-downs

ledges at the lower part of the battery case for fixation within vehicle. (see EN 50342-2 and EN 50342-4)