

Aircraft batteries —

Part 3: Product specification and declaration of design and performance (DDP)

The European Standard EN 60952-3:2004 has the status of a
British Standard

ICS 29.220.20; 49.060

National foreword

This British Standard is the official English language version of EN 60952-3:2004. It is identical with IEC 60952-3:2004. It supersedes BS EN 60952-3:1995 which will be withdrawn on 1 November 2007. Together with BS EN 60952-1:2004 and BS EN 60952-2:2004, it supersedes BS 6G 205-1:1995, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PEL/21, Secondary cells and batteries, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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Cross-references

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 15 and a back cover.

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English version

Aircraft batteries
Part 3: Product specification and declaration of design
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(IEC 60952-3:2004)

Batteries d'aéronefs
Partie 3: Spécification de produit
et déclaration de conception
et de performance (DDP)
(CEI 60952-3:2004)

Flugzeugbatterien
Teil 3: Produktspezifikation und Erklärung
zu Entwurf und Leistung (DDP)
(IEC 60952-3:2004)

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat 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 Central Secretariat has the same status as the official versions.

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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

The text of document 21/613/FDIS, future edition 2 of IEC 60952-3, prepared by IEC TC 21, Secondary cells and batteries, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60952-3 on 2004-11-01.

This European Standard supersedes EN 60952-3:1995.

This standard now details the requirement for defining the declaration of performance and the detail of a specification between supplier and purchaser.

It is recognised that additional data may be required by other organisations (national standards bodies, AECMA, SAE, etc.). The present standard can be used as a framework to devise tests for generation of the required data.

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) 2005-08-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2007-11-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60952-3:2004 was approved by CENELEC as a European Standard without any modification.

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AIRCRAFT BATTERIES –

Part 3: Product specification and declaration of design and performance (DDP)

1 Scope

This part of IEC 60952 defines requirements for the product specification as well as procedures for a Declaration of Design and Performance (DDP) for nickel-cadmium and lead-acid aircraft batteries containing vented or valve-regulated cells or monoblocs. The batteries are used for both general purposes and specific aerospace applications.

The specific topics addressed in this part serve to establish acceptable quality standards required to qualify a battery as airworthy and are divided into two class (class I and II) as defined in Clause 3 of IEC 60952-1.

This part defines the above requirements and procedures for both class I and class II types.

The design construction and test requirements should conform to the requirements specified in IEC 60952-1 and IEC 60952-2.

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 60952-1:2004, *Aircraft batteries – Part 1: General test requirements and performance levels*

ISO/TR 224, *Aircraft – Declaration of design and performance for aircraft equipment – Standard form*

3 Terms and definitions

Clause 3 of IEC 60952-1 is applicable.

4 Product specification

4.1 General requirements

A product specification is required for class I and class II batteries. Once accepted, by both the manufacturer and customer, the requirements of the product specification shall comply with the overall requirements of IEC 60952.