

INTERNATIONAL STANDARD

IEC 60086-2

Eleventh edition
2006-12

Primary batteries –

Part 2: Physical and electrical specifications

Withhold.com

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CONTENTS

FOREWORD.....	4
INTRODUCTION.....	6
1 Scope.....	7
2 Normative references	7
3 Terms and definitions	7
4 Symbols and abbreviations.....	9
5 Battery dimensions, symbols	9
6 Constitution of the battery specification tables.....	9
7 Physical and electrical specifications.....	12
7.1 Category 1 batteries.....	12
7.1.1 Category 1 – Physical and electrical specifications.....	12
7.1.2 Category 1 – Specifications: R1, R03, R6P, R6S.....	13
7.1.3 Category 1 – Specifications: R14P, R14S.....	14
7.1.4 Category 1 – Specifications: R20P, R20S, 2R10, LR8D425, LR1.....	15
7.1.5 Category 1 – Specifications: LR03, LR6, LR14, LR20.....	17
7.1.6 Category 1 – Specifications: CR12A604.....	19
7.2 Category 2 batteries.....	20
7.2.1 Category 2 – Physical and electrical specifications.....	20
7.2.2 Category 2 – Specifications: CR14250, CR15H270, CR17345, CR17450, BR17335.....	21
7.3 Category 3 batteries.....	22
7.3.1 Category 3 – Physical and electrical specifications.....	22
7.3.2 Category 3 – Specifications: LR9, LR53, CR11108.....	23
7.4 Category 4 batteries.....	24
7.4.1 Category 4 – Physical and electrical specifications.....	24
7.4.2 Category 4 – Specifications: PR70, PR41, PR48, PR44.....	25
7.4.3 Category 4 – Specifications: LR41, LR55, LR54, LR43, LR44.....	28
7.4.4 Category 4 – Specifications: SR62, SR63, SR 65, SR64, SR60, SR67, SR66, SR58, SR68, SR59, SR69, SR41, SR57, SR55, SR48.....	29
7.4.5 Category 4 – Specifications: SR56, SR54, SR42, SR43, SR44.....	30
7.4.6 Category 4 – Specifications: CR1025, CR1216, CR1220, CR1616, CR2012, CR1620, CR2016, CR2025, CR2320, CR2032, CR2330, CR2430, CR2354, CR3032, CR2450.....	31
7.4.7 Category 4 – Specifications: BR1225, BR2016, BR2020, BR2320, BR2325, BR3032.....	32
7.5 Category 5 batteries.....	33
7.5.1 Category 5 – Physical and electrical specifications.....	33
7.6 Category 6 batteries.....	36
7.6.1 Category 6 – Physical and electrical specifications.....	36
Annex A (informative) Tabulation of batteries by application	49
Annex B (informative) Cross-reference index.....	53
Annex C (informative) Index.....	56
Bibliography.....	57

Figure 1 – Category 1 dimensional drawings.....	12
Figure 2 – Category 2 dimensional drawing	20
Figure 3 – Category 3 dimensional drawings.....	22
Figure 4 – Category 4 dimensional drawing	24
Figure 5 – Gauge for Category 4 batteries	27
Figure 6 – Dimensional drawing: R40.....	33
Figure 7 – Dimensional drawing: 4LR44, 2CR13252, 4SR44.....	34
Figure 8 – Dimensional drawing: 5AR40	35
Figure 9 – Dimensional drawing: S4.....	36
Figure 10 – Dimensional drawing: 3R12C,3R12P, 3R12S, 3LR12	37
Figure 11 – Dimensional drawing: 4LR61.....	38
Figure 12 – Dimensional drawing: CR-P2, BR-P2.....	39
Figure 13 – Dimensional drawing: 2CR5	40
Figure 14 – Dimensional drawing: 2EP3863.....	41
Figure 15 – Dimensional drawing: 4R25X, 4LR25X	42
Figure 16 – Dimensional drawing: 4R25Y	43
Figure 17 – Dimensional drawing: 4R25-2, 4LR25-2	44
Figure 18 – Dimensional drawing: 6AS4.....	45
Figure 19 – Dimensional drawing: 6AS6.....	46
Figure 20 – Dimensional drawing: 6F22, 6LR61.....	47
Figure 21 – Dimensional drawing: 6F100.....	48
Table A.1 – Road warning lamp.....	49
Table A.2 – Industrial equipment.....	49
Table A.3 – Electrical fence controller.....	49
Table A.4 – Radio.....	50
Table A.5 – Electronic equipment	50
Table A.6 – Paging test.....	50
Table A.7 – Hearing aid	50
Table A.8 – Photo.....	51
Table A.9 – Portable lighting.....	51
Table A.10 – Smoke detector.....	51
Table A.11 – Toy (motor)	52
Table A.12 – Accelerated application test for automatic camera.....	52
Table A.13 – Tape recorder (personal cassette player).....	52
Table B.1 – Category 1 batteries.....	53
Table B.2 – Category 2 batteries.....	53
Table B.3 – Category 3 batteries.....	53
Table B.4 – Category 4 batteries.....	54
Table B.5 – Category 5 batteries.....	55
Table B.6 – Category 6 batteries.....	55
Table C.1 – Index	56

INTERNATIONAL ELECTROTECHNICAL COMMISSION

PRIMARY BATTERIES –

Part 2: Physical and electrical specifications

FOREWORD

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International Standard IEC 60086-2 has been prepared by IEC technical committee 35: Primary cells and batteries.

This eleventh edition cancels and replaces the tenth edition (2000) and its amendments 1 (2001) and 2 (2004), and constitutes a technical revision.

The major technical changes are the addition of a "digital still camera test" for the LR6 battery, the reduction, for selected no letter batteries, from three grades (S, C and P) to two grades (S and P) with appropriate adjustments to MAD values, the deletion of the 3,6 ohm pulse test for the R03 battery, and the addition of new constant current hearing aid tests (standard and high drain) for the PR41, PR44, PR48 and PR70 batteries.

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

FDIS	Report on voting
35/1245/FDIS	35/1248/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 the parts in the IEC 60086 series, under the general title *Primary 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.

A bilingual version of this publication may be issued at a later date.

The contents of the corrigendum of April 2007 have been included in this copy.

Withdrawn

INTRODUCTION

The technical content of this part of IEC 60086 provides physical dimensions, discharge test conditions and discharge performance requirements. IEC 60086-2 complements the general information and requirements of IEC 60086-1.

This part was prepared to benefit primary battery users, device designers and battery manufacturers by furnishing the specifics of form, fit and function for individual standardized primary cells and batteries. Over the years, this part has been changed to improve its contents and may again be revised in due course in the light of comments made by National Committees and experts on the basis of practical experience and changing technology. This current revision is the result of a reformatting initiative, as well as some content changes, aimed at making this part more user-friendly, less ambiguous, and, from a cross-reference basis, fully harmonized with other parts of IEC 60086.

NOTE Safety information is available in IEC 60086-4, IEC 60086-5 and IEC 62281.

Withdrawal

PRIMARY BATTERIES –

Part 2: Physical and electrical specifications

1 Scope

This part of IEC 60086 is applicable to primary batteries based on standardized electro-chemical systems.

It specifies

- the physical dimensions,
- the discharge test conditions and discharge performance requirements.

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 (IEV) – Part 482: Primary and secondary cells and batteries*

IEC 60086-1:—, *Primary batteries – Part 1: General*

ISO 1101, *Geometrical Product Specifications (GPS) – Geometrical tolerancing – Tolerances of form, orientation, location and run-out*