

# INTERNATIONAL STANDARD

# IEC 60086-2

2000

AMENDMENT 1  
2001-07

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Amendment 1

**Primary batteries –**

**Part 2:  
Physical and electrical specifications**

Withdrawn

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Commission Electrotechnique Internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

PRICE CODE

**G**

*For price, see current catalogue*

## FOREWORD

This amendment has been prepared by IEC technical committee 35: Primary cells and batteries.

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

FDIS	Report on voting
35/1157/FDIS	35/1163/RVD

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

The committee has decided that the contents of the base publication and its amendments will remain unchanged until 2002. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

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

*This amendment replaces the data corresponding to R03, R6C, R6P, R6S, R14C, R14P, R14S, R20C, R20P, R20S, LR03, LR6, LR14, LR20, 6F22, 6LR61.*

*Replace pages 11, 12, 13, 14 and 41 of IEC 60086-2, tenth edition, by the following new pages:*

PHYSICAL AND ELECTRICAL SPECIFICATIONS											CATEGORY 1 BATTERIES					
Electro-chemical system	Designation	Vn V	Dimensions mm									Discharge conditions			MAD <sup>a</sup> (initial)	Applications
			A	B	C	E	F	G	∅		∅P	R	Daily period	EV V		
			Max.	Min.	Min.	Max.	Max.	Min.	Max.	Min.	Max.	Ω		V		
(see note)	R1	1,5	30,2	29,1	5,0	0,2	4,0	0,5	12,0	10,9	0,5	300	12 h	0,9	76 h	Hearing aids
			5,1										5,1	5 min	0,9	57 min
	R03	1,5	44,5	43,3	4,3	0,5	3,8	0,8	10,5	9,5	0,4	5,1	b	0,9	45 min	Portable lighting
			10									10	1 h	0,9	1,4 h	Personal cassette player and tape recorder
			75									75	4 h	0,9	20 h	Radio
			24									24	15 s per min 8 h per day	1,0	4 h	Remote control
			3,6									3,6	c	0,9	120 pulses	Pulse test
	R6C (high capacity)	1,5	50,5	49,2	7,0	0,5	5,5	1,0	14,5	13,5	0,5	43	4 h	0,9	25 h	Radio
			3,9									3,9	1 h	0,8	47 min	Motor/toy
			10									10	1 h	0,9	3,5 h	Personal cassette player and tape recorder
			24									24	15 s per min 8 h per day	1,0	10,9 h	Remote control
			1,8									1,8	c	0,9	46 pulses	Pulse test
	R6P (high power)	1,5	50,5	49,2	7,0	0,5	5,5	1,0	14,5	13,5	0,5	43	4 h	0,9	27 h	Radio
			3,9									3,9	1 h	0,8	60 min	Motor/toy
			10									10	1 h	0,9	4,1 h	Personal cassette player and tape recorder
			24									24	15 s per min 8 h per day	1,0	11 h	Remote control
			1,8									1,8	c	0,9	75 pulses	Pulse test
	R6S (standard)	1,5	50,5	49,2	7,0	0,5	5,5	1,0	14,5	13,5	0,5	43	4 h	0,9	22 h	Radio

NOTE Delayed discharge performance after 12 months is 80 % of MAD.

a Standard conditions.  
b 4 min beginning at hourly intervals for 8 h per day.  
c 15 s on, 45 s off for 24 h per day.

PHYSICAL AND ELECTRICAL SPECIFICATIONS											CATEGORY 1 BATTERIES					
Electro-chemical system	Designation	Vn V	Dimensions mm								Discharge conditions			MAD <sup>a</sup> (initial)	Applications	
			A	B	C	E	F	G	∅	∅P	R Ω	Daily period	EV V			
			Max.	Min.	Min.	Max.	Max.	Min.	Max.	Min.	Max.					
(see note)	R14C (high capacity)	1,5	50,0	48,6	13,0	0,9	7,5	1,5	26,2	24,9	1,0	3,9	b	0,9	250 min	Portable lighting
												6,8	1 h	0,9	7 h	Tape recorders
												20	4 h	0,9	25 h	Radio
												3,9	1 h	0,8	2,5 h	Toy
	R14P (high power)	1,5	50,0	48,6	13,0	0,9	7,5	1,5	26,2	24,9	1,0	3,9	b	0,9	300 min	Portable lighting
												6,8	1 h	0,9	9 h	Tape recorders
												20	4 h	0,9	30 h	Radio
												3,9	1 h	0,8	4,8 h	Toy
	R14S (standard)	1,5	50,0	48,6	13,0	0,9	7,5	1,5	26,2	24,9	1,0	3,9	b	0,9	120 min	Portable lighting
												6,8	1 h	0,9	3,0 h	Tape recorders
												20	4 h	0,9	15 h	Radio
												3,9	1 h	0,8	1,5 h	Toy
	R20C (high capacity)	1,5	61,5	59,5	18,0	1,0	9,5	1,5	34,2	32,3	1,0	2,2	b	0,9	300 min	Portable lighting (1)
												3,9	1 h	0,9	9 h	Tape recorders
												10	4 h	0,9	30 h	Radio
												2,2	1 h	0,8	4 h	Toy
1,5												4 min per 15 min 8 h per day	0,9	130 min	Portable lighting (2)	

NOTE Delayed discharge performance after 12 months is 80 % of MAD.

<sup>a</sup> Standard Conditions.

<sup>b</sup> 4 min beginning at hourly intervals for 8 h per day.