NSAI
Standards

Irish Standard
I.S. EN IEC 60086-4:2019

Primary batteries - Part 4: Safety of lithium batteries

I.S. EN IEC 60086-4:2019

Incorporating amendments/corrigenda/National Annexes issued since publication:

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommmendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

This document is based on:	*Published:*
EN IEC 60086-4:2019	2019-07-12

This document was published under the authority of the NSAI and comes into effect on: 2019-07-26	ICS number: 29.220.10 NOTE: If blank see CEN/CENELEC cover page

Údarás um Chaighdeáin Náisiúnta na hÉireann

National Foreword

I.S. EN IEC 60086-4:2019 is the adopted Irish version of the European Document EN IEC 60086-4:2019, Primary batteries - Part 4: Safety of lithium batteries

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

For relationships with other publications refer to the NSAI web store.

Compliance with this document does not of itself confer immunity from legal obligations.

In line with international standards practice the decimal point is shown as a comma (,) throughout this document.

This page is intentionally left blank

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 60086-4

July 2019

ICS 29.220.10

Supersedes EN 60086-4:2015 and all of its amendments and corrigenda (if any)

English Version

Primary batteries - Part 4: Safety of lithium batteries
(IEC 60086-4:2019)

Piles électriques - Partie 4: Sécurité des piles au lithium
(IEC 60086-4:2019)

Primärbatterien - Teil 4: Sicherheit von Lithium-Batterien
(IEC 60086-4:2019)

This European Standard was approved by CENELEC on 2019-05-30. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

CENELEC

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Ref. No. EN IEC 60086-4:2019 E

EN IEC 60086-4:2019 (E)

European foreword

The text of document 35/1420/FDIS, future edition 5 of IEC 60086-4, prepared by IEC/TC 35 "Primary cells and batteries" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60086-4:2019.

The following dates are fixed:

•	latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2020-02-28
•	latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2022-05-30

This document supersedes EN 60086-4:2015 and all of its amendments and corrigenda (if any).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 60086-4:2019 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60068-2-6:1995	NOTE	Harmonized as EN 60068-2-6:1995 (not modified)
IEC 60068-2-27:1987	NOTE	Harmonized as EN 60068-2-27:1987 (not modified)
IEC 60068-2-31:2008	NOTE	Harmonized as EN 60068-2-31:2008 (not modified)
IEC 60086-5:2016	NOTE	Harmonized as EN 60086-5:2016 (not modified)
IEC 62133-2	NOTE	Harmonized as EN 62133-2
IEC 60617 (series)	NOTE	Harmonized as EN 60617 (series)
IEC 61960	NOTE	Harmonized as EN 61960
IEC 62281	NOTE	Harmonized as EN IEC 62281
ISO 7010	NOTE	Harmonized as EN ISO 7010

2