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Standards

Irish Standard  
I.S. EN IEC 62902:2019

# Secondary cells and batteries - Marking symbols for identification of their chemistry

**I.S. EN IEC 62902:2019**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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*This document is based on:*

EN IEC 62902:2019

*Published:*

2019-04-05

*This document was published under the authority of the NSAI and comes into effect on:*

2019-04-23

ICS number:

NOTE: If blank see CEN/CENELEC cover page

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## National Foreword

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**EN IEC 62902**

**NORME EUROPÉENNE**

**EUROPÄISCHE NORM**

April 2019

ICS 29.220.20; 29.220.30

English Version

**Secondary cells and batteries - Marking symbols for  
identification of their chemistry  
(IEC 62902:2019)**

Batteries d'accumulateurs - Symboles de marquage pour  
l'identification de leur caractéristique chimique  
(IEC 62902:2019)

Sekundär-Batterien - Symbole für die Kennzeichnung zur  
Identifikation ihrer Chemie  
(IEC 62902:2019)

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Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

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

**EN IEC 62902:2019 (E)****European foreword**

The text of document 21/990/FDIS, future edition 1 of IEC 62902, prepared by IEC/TC 21 "Secondary cells and batteries" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62902:2019.

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) 2019-12-12
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-03-12

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

IEC 60622	NOTE	Harmonized as EN 60622
IEC 61056 (series)	NOTE	Harmonized as EN 61056 (series)
IEC 61951-1	NOTE	Harmonized as EN 61951-1
IEC 61951-2	NOTE	Harmonized as EN 61951-2
IEC 61960-3	NOTE	Harmonized as EN 61960-3
IEC 62620:2014	NOTE	Harmonized as EN 62620:2015 (not modified)
IEC 62675	NOTE	Harmonized as EN 62675

## Annex ZA

(normative)

### Normative references to international publications with their corresponding European publications

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NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60896-21	2004	Stationary lead-acid batteries - Part 21: Valve regulated types - Methods of test	EN 60896-21	2004
IEC 60896-22	2004	Stationary lead-acid batteries - Part 22: Valve regulated types - Requirements	EN 60896-22	2004
ISO 7000	-	Graphical symbols for use on equipment - Registered symbols	-	-

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**IEC 62902**

Edition 1.0 2019-02

# **INTERNATIONAL STANDARD**

# **NORME INTERNATIONALE**



**Secondary cells and batteries – Marking symbols for identification of their chemistry**

**Batteries d'accumulateurs – Symboles de marquage pour l'identification de leur caractéristique chimique**



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**IEC 62902**

Edition 1.0 2019-02

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



**Secondary cells and batteries – Marking symbols for identification of their chemistry**

**Batteries d'accumulateurs – Symboles de marquage pour l'identification de leur caractéristique chimique**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

COMMISSION  
ELECTROTECHNIQUE  
INTERNATIONALE

ICS 29.220.20; 29.220.30

ISBN 978-2-8322-6544-4

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**SECONDARY CELLS AND BATTERIES –  
MARKING SYMBOLS FOR IDENTIFICATION OF THEIR CHEMISTRY**

## FOREWORD

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International Standard IEC 62902 has been prepared by IEC technical committee 21: Secondary cells and batteries.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
21/990/FDIS	21/994/RVD

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

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

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## SECONDARY CELLS AND BATTERIES – MARKING SYMBOLS FOR IDENTIFICATION OF THEIR CHEMISTRY

### 1 Scope

This document specifies methods for the clear identification of secondary cells, batteries, battery modules and monoblocs according to their chemistry (electrochemical storage technology).

The markings described in this document are applicable for secondary cells, batteries, battery modules and monoblocs with a volume of more than 900 cm<sup>3</sup>.

The marking of the chemistry is useful for the installation, operation and decommissioning phases of battery life.

Many recycling processes are chemistry specific, thus undesired events can occur when a battery which is not of the appropriate chemistry enters a given recycling process. In order to ensure safe handling during sorting and recycling processes, therefore, the battery is marked so as to identify its chemistry.

This document defines the conditions of utilization of the markings indicating the chemistry of these secondary batteries.

The details of markings and their application are defined in this document.

NOTE Nothing in this document precludes the marking of batteries with recycling and chemistry symbols required by state, federal, national or regional laws or regulations or with a seal under license by a national recycling program.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 60896-21:2004, *Stationary lead-acid batteries – Part 21: Valve regulated types – Methods of test*

IEC 60896-22:2004, *Stationary lead-acid batteries – Part 22: Valve regulated types – Requirements*

ISO 7000, *Graphical symbols for use on equipment* (available at <http://www.graphical-symbols.info/equipment>)

### 3 Terms and definitions

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