

SLOVENSKI STANDARD
oSIST prEN IEC 62620:2026
01-marec-2026

**Sekundarni členi in baterije z alkalnimi ali drugimi nekislinskimi elektroliti -
Sekundarni litijevi členi in baterije za industrijsko uporabo**

Secondary cells and batteries containing alkaline or other non-acid electrolytes -
Secondary lithium cells and batteries for use in industrial applications

Akkumulatoren und Batterien mit alkalischen oder anderen nichtsäurehaltigen
Elektrolyten - Lithium-Akkumulatoren und -batterien für industrielle Anwendungen

Accumulateurs alcalins et autres accumulateurs à électrolyte non acide - Eléments et
batteries d'accumulateurs au lithium pour utilisation dans les applications industrielles

Ta slovenski standard je istoveten z: prEN IEC 62620:2026

[oSIST prEN IEC 62620:2026](#)

<https://standards.itek.si/catalog/standards/ict/kodl0-0-02-f201-4062-8-48-22-18-a24805-16/o-sist-pr-en-iec-62620-2026>

ICS:

29.220.30	Alkalni sekundarni členi in baterije	Alkaline secondary cells and batteries
-----------	---	---

oSIST prEN IEC 62620:2026

en



COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER:

IEC 62620 ED2

DATE OF CIRCULATION:

2026-01-23

CLOSING DATE FOR VOTING:

2026-04-17

SUPERSEDES DOCUMENTS:

21A/914/CD, 21A/927A/CC

IEC SC 21A : SECONDARY CELLS AND BATTERIES CONTAINING ALKALINE OR OTHER NON-ACID ELECTROLYTES

SECRETARIAT:	SECRETARY:
France	Mr Jean-Marie Bodet
OF INTEREST TO THE FOLLOWING COMMITTEES:	HORIZONTAL FUNCTION(S):
TC 21	

ASPECTS CONCERNED:

 SUBMITTED FOR CENELEC PARALLEL VOTING**Attention IEC-CENELEC parallel voting**

The attention of IEC National Committees, members of CENELEC, is drawn to the fact that this Committee Draft for Vote (CDV) is submitted for parallel voting.

The CENELEC members are invited to vote through the CENELEC online voting system.

 NOT SUBMITTED FOR CENELEC PARALLEL VOTING**iTeh Standards****(<https://standards.iteh.ai>)****Document Preview**

This document is still under study and subject to change. It should not be used for reference purposes.

<https://standards.iteh.ai/catalog/standards/sist/bcd0c92-f30d-4063-8e48-32d8a34805d6/osit-pren-iec-62620-2026>

Recipients of this document are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Recipients of this document are invited to submit, with their comments, notification of any relevant "In Some Countries" clauses to be included should this proposal proceed. Recipients are reminded that the CDV stage is the final stage for submitting ISC clauses. (SEE [AC/22/2007 OR NEW GUIDANCE DOC](#)).

TITLE:

Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for use in industrial applications

PROPOSED STABILITY DATE: 2027

NOTE FROM TC/SC OFFICERS:

The resolution of comments (21A/927/CC) was presented and accepted during the IEC SC 21A WG 5 Fall Meeting held in Washington on 2025-10-28 (please refer to 21A/927A/CC). The committee draft for vote has been prepared in OSD and is now proposed to enter the voting and comment phase.

Link to Committee Draft for Vote (CDV) online document:

[Click here](#)

How to access

This link leads you to the Online Standards Development (OSD) platform for National Mirror Committee's (NMC) comments. The project draft may be found further down this document.

Resource materials

We recommend NCs to review the available materials to better understand the member commenting on the OSD platform.

This includes the:

- [OSD NC roles overview](#)
- [How to add and submit comments to the IEC](#)

Contact

Should you require any assistance, please contact the [IEC IT Helpdesk](#).

**Open Standards
(<https://standards.iteh.ai>)
Document Preview**

[oSIST prEN IEC 62620:2026](#)

<https://standards.iteh.ai/catalog/standards/sist/bcdb0c92-f30d-4063-8e48-32d8a34805d6/osist-pren-iec-62620-2026>

CONTENTS

FOREWORD	4
INTRODUCTION	6
1 Scope	7
2 Normative references	7
3 Terms and definitions	7
4 Parameters measurement tolerances	10
5 Marking and designation	11
5.1 Marking	11
5.2 Cell designation	12
5.3 Battery designation	14
5.3.1 General	14
5.3.2 Battery structure formulation	15
5.4 Cell or battery termination	16
6 Electrical tests	16
6.1 General	16
6.2 Charging procedure for test purposes	16
6.3 Discharge performance	17
6.3.1 Discharge performance at +25 °C	17
6.3.2 Discharge performance at low temperature	17
6.3.3 High rate permissible current	18
6.4 Charge (capacity) retention and recovery	19
6.4.1 General	19
6.4.2 Test method	19
6.4.3 Acceptance criteria	19
6.5 Cell and battery internal resistance	19
6.5.1 General	19
6.5.2 Measurement of the internal a.c. resistance	20
6.5.3 Measurement of the internal d.c. resistance	20
6.6 Endurance	21
6.6.1 Endurance in cycles	21
6.6.2 Endurance in storage at constant voltage (permanent charge life)	22
7 Type test conditions	23
7.1 General	23
7.2 Sample size	24
7.3 Conditions for type approval	25
7.3.1 Dimensions	25
7.3.2 Electrical tests	25
Annex A (informative) Battery structure information	27
A.1 Example 1	27
A.2 Example 2	27
A.3 Example 3	27
A.4 Example 4	27
A.5 Example 5	28
A.6 Example 6	28
A.7 Example 7	29
A.8 Example 8	29
A.9 Example 9	30

