
Sekundarni člani in baterije z alkalnimi ali drugimi nekislinskimi elektroliti - Zatesnjeni nikelj-kovinski hidridni člani in baterije za industrijsko uporabo - 1. del: Zmogljivost - Dopolnilo A1

Secondary cells and batteries containing alkaline or other non-acid electrolytes - Sealed nickel-metal hydride cells and batteries for use in industrial applications - Part 1: Performance

Sekundärzellen und -batterien mit alkalischen oder anderen nicht-säurehaltigen Elektrolyten - Gasdichte Nickel-Metallhydrid-Zellen und -Batterien für den Gebrauch in industriellen Anwendungen - Teil 1: Leistungsfähigkeit

Accumulateurs alcalins et autres accumulateurs à électrolyte non acide - Accumulateurs étanches au nickel-métal hydrure destinés à l'utilisation dans des applications industrielles - Partie 1: Performances

Ta slovenski standard je istoveten z: EN IEC 63115-1:2020/prA1:2022

ICS:

29.220.30	Alkalni sekundarni člani in baterije	Alkaline secondary cells and batteries
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SIST EN IEC 63115-1:2020/oprA1:2022 en

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SIST EN IEC 63115-1:2020/oprA1:2022
<https://standards.iteh.ai/catalog/standards/sist/55fcfe7-7d10-411d-a97b-73b53bf505ac/sist-en-iec-63115-1-2020-opra1-2022>



21A/781/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER:

IEC 63115-1/AMD1 ED1

DATE OF CIRCULATION:

2022-01-21

CLOSING DATE FOR VOTING:

2022-04-15

SUPERSEDES DOCUMENTS:

21A/779/RR

IEC SC 21A : SECONDARY CELLS AND BATTERIES CONTAINING ALKALINE OR OTHER NON-ACID ELECTROLYTES	
SECRETARIAT: France	SECRETARY: Mr Pierre Bourg
OF INTEREST TO THE FOLLOWING COMMITTEES: TC 9, TC 21	PROPOSED HORIZONTAL STANDARD: <input type="checkbox"/> Other TC/SCs are requested to indicate their interest, if any, in this CDV to the secretary.
FUNCTIONS CONCERNED: <input type="checkbox"/> EMC <input type="checkbox"/> ENVIRONMENT <input type="checkbox"/> QUALITY ASSURANCE <input type="checkbox"/> SAFETY	
<input checked="" type="checkbox"/> SUBMITTED FOR CENELEC PARALLEL VOTING	<input type="checkbox"/> NOT SUBMITTED FOR CENELEC PARALLEL VOTING
<p>Attention IEC-CENELEC parallel voting</p> <p>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.</p> <p>The CENELEC members are invited to vote through the CENELEC online voting system.</p>	

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

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.

TITLE:

Amendment 1 - Secondary cells and batteries containing alkaline or other non-acid electrolytes - Sealed nickel-metal hydride cells and batteries for use in industrial applications - Part 1: Performance

PROPOSED STABILITY DATE: 2024

NOTE FROM TC/SC OFFICERS:

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IEC 63115-1 1st Edition Amendment (draft)

Change to 5.3 Rationale: Indentation of O, Q, Y and S2 should be revised.

Change to 5.3 Rationale: “b) refer to 5.3” should be deleted and re-ordered.

Change to Table 2 in 7.3.1.3 Rationale: Typo that was not found during development.

Change to Table 3 in 7.3.2.3 Rationale: Typos that were not found during development.

Change to Table 6 in 7.6.3 Rationale: Typos that were not found during development.

5.3 Module, battery pack and battery system designation

Sealed nickel-metal hydride modules, battery packs and battery systems shall be designated with the following form:

$$HA_1 T_1 N_1 S_2 A_2$$

where

T_1 designates the item type of Table 1 in which:

O is module, in this case N_1 is cell capacity;

Q is battery pack, in this case N_1 is battery pack capacity;

Y is battery system, in this case N_1 is battery system capacity;

S_2 is the battery structure formulation.

The battery designation should include the breakdown structure of the battery. The descriptive path followed to formulate the battery is from the smallest entity to the largest one:

a) refer to 5.2;

b) in the case of larger constitutive entities, the battery designation describes the symbols on the right side in the same way as mentioned above.

Table 2 – Discharge performance at 20 °C ± 5 °C

Discharge conditions		Minimum discharge duration			
Rate of constant current	Final Voltage	Cell designation			
I_t A	V/cell	L	M	H	X
0,2 ^a	1,0	5 h	5 h	5 h	5 h
1,0	1,0		38 min	48 min	54 min
5,0 ^b	0,8			2 min 30 s	6 min 30 s
10,0 ^b	0,8				1 min 30 s

^a Ten cycles are permitted for this test which shall, however, be terminated at the end of the first cycle of each cell or battery which meets the requirement.

^b Before the 5 I_t A and 10 I_t A discharge tests, a conditioning cycle may be included if necessary. This cycle shall consist of charging and discharging in accordance with 7.2.