

STANDARD INFORMATION

Standard: UL 4200A

Standard ID: Products Incorporating Button Batteries or Coin Cell Batteries [UL 4200A:2015 Ed.1+R:30Aug2023]

Previous Standard ID:

Products Incorporating Button Batteries or Coin Cell Batteries [UL 4200A:2015 Ed.1+R:15Aug2023]

Products Incorporating Button or Coin Cell Batteries of Lithium Technologies [UL 4200A:2015 Ed.1+R:14Jun2021]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **March 19, 2025**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

Overview of Changes:

August 15, 2023

- Revision of Scope
- Addition of Tension test-seams
- Addition of Torque Test
- Addition of Tension Test
- Addition of requirements for Packaging Markings
- Addition of requirements for Product Markings
- Addition of Permanence of Markings requirements
- Addition of requirements for Instructions

August 30, 2023

- Addition of the Compression Test for little surface areas

Specific details of new/ revised requirements are found in table below

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.



STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined-out below.</i>
		The following changes reflect the August 15, 2023 revision:
1	Info	Scope
1.2		These requirements do not cover products that exclusively use forms of batteries other than lithium button or coin cells <u>zinc-air battery technologies.</u>
		<i>New clause added;</i>
1.2A		These requirements do not cover toy products that comply with battery accessibility and labelling requirements of ASTM F963, Safety Standard for Toys.
5	Info	Products with Button/Coin Cell Batteries
		<i>New clause added;</i>
5.4A		If a part of the battery compartment enclosure is protected by pliable material such as fabric, paper, foam, or vinyl, or a pliable material with a seam, apply the Tension Test for Seams in Stuffed Toys and Beanbag-Type Toys test in the Standard Consumer Safety Specification for Toy Safety, ASTM F963, to determine whether the battery compartment enclosure can become exposed or accessible, using a force of at least 70.0 N (15.7 lbf). If a new part of the battery compartment enclosure becomes exposed or accessible, repeat 5.4 and remove any further pliable material that is then exposed until no new part of the battery compartment enclosure becomes exposed or accessible, and then conduct the test in 5.3.
		Products that locate removable or replaceable button/coin cell batteries inside a battery compartment shall be designed to prevent children from removing the battery by one of the following methods in (a) or (b) below. Compliance is checked by the tests of Section 6.
5.5		<u>a) A tool, such as a screwdriver or monetary coin, is required to open the battery compartment. For a battery compartment secured by a screw or a twist-on access cover, a minimum torque of 0.5 Nm and a minimum angle of 90 degrees of rotation shall be required to open the compartment or the fastener shall engage a minimum of two full threads; or</u> b) The battery compartment door or cover requires the application of a minimum of two independent and simultaneous movements to open by hand. <u>The movements to open shall not be combinable to a single movement with a single finger or digit.</u>



CLAUSE	VERDICT	COMMENT
5.6		<p>If screws or similar fasteners are used to secure the door or cover providing access to a battery compartment, the fasteners shall be captive to the door, cover, or device.</p> <p>Exception No. 1: This requirement does not apply to large panel doors on large devices which are not likely to be discarded or left off the equipment. <u>Applies to products containing button batteries or coin cell batteries not intended to be replaced by the consumer. Products containing button batteries or coin cell batteries that can only be accessed through the removal of multiple enclosures or panels using a tool do not need captive screws. Such products shall have instructions and warnings that clearly state the battery is not to be replaced by the consumer.</u></p> <p>Exception No. 2: <u>Applies to products containing batteries not intended to be replaced by the consumer. Products that are only to be opened by a professional service center (where children are not present) are not required to have secured screws. Such products shall have instructions and warnings that clearly state the battery is not to be replaced by the consumer.</u></p>
6	Info	Protection from Ingestion or Aspiration of Button/Coin Cell Batteries
6.3	Info	Abuse tests
6.3.4A	Info	Torque Test
		<i>New clause added;</i>
6.3.4A.1		If a child can grasp any part of the battery compartment enclosure on a consumer product, including the door or cover, with at least the thumb and forefinger, or using teeth, apply the Torque Test for Removal of Components from the Standard Consumer Safety Specification for Toy Safety, ASTM F963, to the battery compartment enclosure, using a torque of at least 0.50 Nm (4.4 in-lbf).
6.3.4B		Tension test
		<i>New clause added;</i>
6.3.4B.1		If a child can grasp any part of the battery compartment enclosure on a consumer product, including the door or cover, with at least the thumb and forefinger, or using teeth, apply the Tension Test for Removal of Components from the Standard Consumer Safety Specification for Toy Safety, ASTM F963, to the battery compartment enclosure, using a force of at least 72.0 N (16.2 lbf).



CLAUSE	VERDICT	COMMENT
	Info	MARKINGS
		<i>New section added;</i>
		General
7A		All warning statements or icons shall be prominent, legible, easily discernible under normal lighting conditions, and permanently marked. See standard for details.
		<i>New section added;</i>
7B		Packaging Markings See standard for details.
		<i>New section added;</i>
7C		Product Markings See standard for details.
		<i>New section added;</i>
7D		Permanence of Markings See standard for details.
	Info	INSTRUCTIONS
		<i>New section added;</i>
		General
9		Instructions and manuals, if provided, shall include: See standard for details.



CLAUSE	VERDICT	COMMENT
The following changes reflect the August 30, 2023 revision:		
6	Info	Protection from Ingestion or Aspiration of Button/Coin Cell Batteries
6.3	Info	Abuse tests
6.3.4C		<i>New section added;</i> Compression test
6.3.4C.1		If any surface of the batter compartment enclosure is accessible to child and inaccessible to a flat surface contact during the Drop test in 6.3.2, apply the Compression Test from the Standard Consumer Safety Specification for Toy Safety, ASTM F963, to that surface, using a force of at least 136 N (30.6 lbf).