



UL 1642

STANDARD FOR SAFETY

Lithium Batteries

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UL Standard for Safety for Lithium Batteries, UL 1642

Sixth Edition, Dated September 29, 2020

Summary of Topics

This revision of UL 1642 dated October 12, 2022 includes new test requirements for a Round Bar Crush Test instead of the Impact Test for soft-case pouch cells; [5.1.2](#), [Table 6.1](#), [Table 6.2](#), [14.2](#), and [Section 14A](#).

Text that has been changed in any manner or impacted by UL's electronic publishing system is marked with a vertical line in the margin.

The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated July 1, 2022.

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Standard for Lithium Batteries

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Second Edition – November, 1992
Third Edition – April, 1995
Fourth Edition – September, 2005
Fifth Edition – March, 2012

Sixth Edition

September 29, 2020

This UL Standard for Safety consists of the Sixth Edition including revisions through October 12, 2022.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at <https://csds.ul.com>.

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