
UI 1642 Standard For

test report ul 1642, fourth edition lithium batteries - ul 1642 (fourth edition) tests performed (name of test and test clause): 10 short-circuit test 11 abnormal charging test 12 forced-discharge test 13 crush test 14 impact test 15 shock test 16 vibration test 17 heating test 18 temperature cycling test 19 low pressure (altitude simulation) test marking label, user manual, packing text: **all tests and standards are not created equal even when ...** - all tests and standards are not created equal ... • cells and batteries • for use in portable devices/applications • covered by un 38.3, ul 2054/1642 and iec 62133. performance - compliance - success what are the current revisions of the standards and what do they cover standard scope within our discussion un 38.3 6th revised edition li ion ... **safety issues for lithium-ion batteries - ul new science** - safety issues for lithium-ion batteries lithium-ion batteries are widely used as a power source in portable electrical and electronic products. while the rate of failures associated with their use is small, several ... ul iec iso test criteria/standard ul 1642 ul 1973** ul 2054* ul 2271** ul 2580** ul 2595 iec 62133 cdv 62c19 iso 12405-3 **the regulatory maze of lithium battery safety - final ...** - underwriters laboratories (ul) ul is an independent product safety certification organization which, in conjunction with other organizations and industry experts, publishes consensus-based safety standards. for lithium batteries, key standards are: ul 1642 (lithium batteries) - this standard is used for testing lithium cells. battery **safety issues for lithium-ion batteries - ul** - safety issues for lithium-ion batteries page 6 safety standards and testing protocols for lithium-ion cells ul iec test criteria/ standard ul 1642 ul 2054 **a detailed view for ul customers** - • (lithium ion) batteries tested to ul standard 1642 will be accepted without additional testing until june 25, 2010. • from june 26, 2010 until june 26, 2011, li batteries tested to the ul standard 1642 must be subjected to additional testing to the identified differences between ul 1642 and iec 62133. **rechargeable lithium-ion batteries for systems** - standard into the product level standard • some product level committees are making revision changes to their standard to comply with battery requirement • cmc accepted a firm and final enforcement date of may 1, 2012 for battery standard iec 62133, phasing out ul 1642 entirely, except for standards iec 60950 - 7 intertek **un lithium battery transport tests & ul battery safety ...** - un lithium battery transport tests & ul battery safety standards - status update (april 2013) laurie florence principal engineer for large batteries & fuel cells laurie.b.florence@ul llc. at ul, our mission of working ... ul 1642 primary and secondary lithium cells bbcv2 voluntary **ul 1741 update a safety standard for distributed generation** - ul 1741 update a safety standard for distributed generation tim zgonena october 13, 2004. 2 ul1741 history • may 7, 1999 publication date of ul1741, the standard for static inverters and charge controllers for use in photovoltaic power systems, • january 17, 2001 revised to address revisions to ieee 929 **household and commercial batteries** - ul 2054 standard for household and commercial batteries first edition may 29, 1997 an effective date included as a note immediately following certain requirements is one established by underwriters laboratories inc. revisions of this standard will be made by issuing revised or additional pages bearing their date of issue.

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