

Lithium cell or battery test summary in accordance with sub-section 38.3 of UN Manual of Tests and Criteria



Manufacturer's identification:

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Testing laboratory:

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Test report number. : UN-4791391155-A-1
 Test report date : 2024-12-13
 Edition of UN Manual of Tests and Criteria used : ST/SG/AC.10/11/Rev.8, Manual of Tests and Criteria, Revision 8, Issue Date 11/2023

Test item: ☐ cell / ☒ battery / ☐ product
 Physical description..... : Small, 10S3P Li-Ion ion secondary battery with plastic housing and protection circuit (equipped with 30 cells type E-One Moli Energy Corp, INR-21700-P50B previously tested under UN 38.3)
 Chemistry and type : ☐ lithium metal / ☒ lithium ion ☐ primary / ☒ secondary
 Mass..... : 2.85 kg
 Lithium content (for lithium metal)..... : N/A
 Wh rating (for lithium ion)..... : 540 Wh
 Cell configuration (X-S/Y-P) : 10-S/3-P
 Model / type reference..... : 40-B540X where X can be a letter or blank, not safety relevant, Type B4-1
 Ratings..... : 36VDC, 15Ah

List of tests conducted and results: (Pass, Fail, or N/A - not applicable)

T.1: Altitude simulation : Pass
 T.2: Thermal test : Pass
 T.3: Vibration : Pass
 T.4: Shock : Pass
 T.5: External short circuit : Pass
 T.6: ☐ Impact / ☐ Crush..... : N/A (only applicable to cells)
 T.7: Overcharge..... : Pass
 T.8: Forced discharge..... : N/A (only applicable to cells)

Remarks : N/A

Assembled battery testing..... : ☐ UN 38.3.3 (f) / ☐ UN 38.3.3 (g) / ☒ N/A

Test summary date : 2024-12-13

Test summary by
 (name + title + signature)..... : Robert Dmitruk
 Senior Project Engineer

Robert Dmitruk

Approved by
 (name + title + signature)..... : Michał Barszczak
 Lead Project Engineer

Barszczak