Declaration of Conformance – Test Summary Per UN Manual of Tests and Criteria

Tested to ST/SG/AC.10/11/Rev.7/Amend.1 (2021)

The listed products have been reviewed by performing a Gap analysis in accordance with the United Nations document ST/SG/AC.10/11/Rev.8/Amend.1 (9/12/2025): "Manual of Tests and Criteria" Eighth Revised Edition 2023 Part III, sub-section 38.3 and the battery pack is found to comply with the stated criteria.

Manufacturer:

Inspired Energy, LLC.
25440 NW 8th Place Newberry, FL 32669 USA
(352) 472-4855 www.inspired-energy.com
Email: enquiries1606@inspired-energy.com

Test Laboratory:

Inspired Energy, LLC.
25440 NW 8th Place Newberry, FL 32669 USA
(352) 472-4855 www.inspired-energy.com
Email: enquiries1606@inspired-energy.com

Test Report Number: 202303291 (Amendment 1) (Amendment 2)

Date of Test Report: March 29, 2023 (June 16, 2025) (December 30, 2025)

Description of Battery:

Secondary Smart Lithium Ion Battery containing 8 Moli Energy INR18650-M35A 3.45Ah cells in 4S2P configuration.
470 g, 14.4 V, 6.8 Ah, 98 Wh

Model Number of Battery Tested: RH3024HD34

Other Model Numbers Covered: RH3024, RH3024XX, RH3024QE34, RH3024XX34, Where 'x' can be any alphanumeric character not affecting safety

Tests Conducted and Results:

Test #	Description	Date Tested	Test result
T1	Altitude Simulation	February 20, 2023	PASSED
T2	Thermal Cycling	March 03, 2023	PASSED
T3	Vibration	March 10, 2023	PASSED
T4	Shock	March 13, 2023	PASSED
T5	Short Circuit	March 15, 2023	PASSED
T6	Impact (Cell-level test)	April 10, 2019	PASSED
T7	Overcharge	March 28, 2023	PASSED
T8	Forced Discharge (Cell-level test)	April 10, 2019	PASSED

Assembled Battery Test Requirements [38.3.3 (f) and 38.3.3 (g)]: N/A

Standard:

Tested to ST/SG/AC.10/11/Rev.7/Amend.1 United Nations "**Manual of Tests and Criteria**" Seventh Revised Edition Amend.1 2021 Part III, sub-section 38.3. Gap Analysis performed to ST/SG/AC.10/11/Rev.8/Amend.1 (9/12/2025).

Testing Analyst: **Jackie Bailey** Jackie Bailey

Product Compliance (Reviewer): Dawn Cousins

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