



STARTSTICK

United Nations Manual of Tests and Criteria Certificate of Compliance

This letter along with the accompanying testing summary is to certify that the 280 wHr StartStick has passed the tests as defined in the **United Nations Manual of Tests and Criteria, section 38.3**. Section 38.3 covers testing requirements that must be met in order to legally transport lithium metal and lithium ion batteries aboard passenger aircraft, cargo aircraft, on land or via sea. Products manufactured by Aviation Battery Systems (ABS) are manufactured according to a quality assurance program specified in the dangerous goods transport regulations.

Date: July 6, 2015

A handwritten signature in black ink, appearing to read "Todd Petersen".

Todd Petersen
Chief Technology Officer

Test Report for:

Aviation Battery Systems, LLC
Attn: Mr. Todd Petersen


UN 38.3 BATTERY TESTING
Start Stick 28V/9Ah Lithium Battery Packs

Client PO No.: 500529425



Scott Souter
Engineer

August 2, 2014
Report No.: 101603223DET-001



Nick Diamond
Department Manager





45000 Helm Street
 Suite 150
 Plymouth Twp., MI 48170
 Telephone: 734-582-2900
 Facsimile: 734-582-2901
 www.intertek.com

TEST VERIFICATION OF CONFORMITY

TEST METHOD: UN Manual of Tests and Criteria "Recommendations on the Transport of Dangerous Goods," section 38.3 "Lithium Batteries"

Document number ST/SG/AC.10/11/Rev.5, Amend 1
 Revision #: 5th Edition, Amendment 1
 Effective Date: April 2012

SAMPLE DESCRIPTION: Sixteen (16) Start Stick 28V/9A Lithium Battery Packs

MANUFACTURER: Aviation Battery Systems, LLC

SPECIFICATION SECTIONS T1 through T5 and T7:

Eight (8) Start Stick 28V/9A Lithium Battery Packs, sample numbers:

- SN 1
- SN 2
- SN 3
- SN 4
- SN 5
- SN 6
- SN 7
- SN 8

Condition of Test Sample: Production

DATE RECEIVED: 06/24/2014

DATES TESTED: 07/02/2014 through 08/02/2014

RESULT SUMMARY: The tested samples met the test requirements. See below breakout for tests performed.

Specification Section	Test Description	Results
T1	Altitude	Conforms
T2	Thermal Shock	Conforms
T3	Vibration	Conforms
T4	Shock	Conforms
T5	External Short Circuit	Conforms
T7	Overcharge	Conforms

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Intertek Testing Services NA, Inc.

45000 Helm Street, Suite 150, Plymouth Twp., MI 48170
 Telephone: 734-582-2900 * Fax: 734-582-2901 * Web: www.intertek.com