



Sentinel 3 Battery Certificate

version 1

S3-BAT-CERT-HB-1

Sep-17

CR3681

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The United Nations publications "Recommendations on the Transport of Dangerous Goods Model Regulations" & its counterpart "Recommendations on the Transport of Dangerous Goods Manual of Tests and Criteria" are the internationally recognised authority for the testing, packaging, and shipping of dangerous goods.

The UN Manual of Tests and Criteria, section 38.3 entitled "Lithium Metal and Lithium ion Batteries", contains UN T1-T8 tests. Refer to the complete UN document for a full description of the tests and the purpose, procedure and requirement of each test; these tests have been conducted for each battery design variant

Tx1 battery



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Certificate of UN 38.3 test for Lithium Ion battery

Design type: CB19636

Product description: S3-BAT-1P-00 2S1P PPM Standard Li-Ion Battery

We declare that this battery passed UN test.

Test Procedure: Manual of Tests and Criteria ST/AC. 10/11/Rev. 5A1 sub-section 38.3

No.	Test	Test Result	Notes
T. 1	Altitude Simulation	Pass	
T. 2	Thermal	Pass	
T. 3	Vibration	Pass	
T. 4	Shock	Pass	
T. 5	External Short Circuit	Pass	
T. 6	Crush	-	Cell only – not applicable for battery
T. 7	Overcharge	Pass	
T. 8	Forced Discharge	-	Cell only – not applicable for battery

Battery Specification

Item	Nominal Value	Note
Cell	Panasonic NCR18650BF	
Configuration	2S1P	
Voltage	7.2v	
Watt-hour rating	24.12Wh	

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Creasefield Ltd is registered in England and Wales, number: 1369945

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Tx8 battery



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Certificate of UN 38.3 test for Lithium Ion battery

Design type: CB19637

Product description: S3-BAT-2P-00 2S2P PPM Extended Li-Ion Battery

We declare that this battery passed UN test.

Test Procedure: Manual of Tests and Criteria ST/AC. 10/11/Rev. 5A1 sub-section 38.3

No.	Test	Test Result	Notes
T. 1	Altitude Simulation	Pass	
T. 2	Thermal	Pass	
T. 3	Vibration	Pass	
T. 4	Shock	Pass	
T. 5	External Short Circuit	Pass	
T. 6	Crush	-	Cell only – not applicable for battery
T. 7	Overcharge	Pass	
T. 8	Forced Discharge	-	Cell only – not applicable for battery

Battery Specification

Item	Nominal Value	Note
Cell	Panasonic NCR18650BF	
Configuration	2S2P	
Voltage	7.2v	
Watt-hour rating	48.24Wh	

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