

## Certificate of UN 38.3 test for Lithium Ion battery

**Design type: CB19637**

**Product description: 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	



Mark Andrew  
Engineering Director  
Creasefield Ltd.