



UN 38.3 TEST REPORT

May 30, 2018

Part#: 1558

25C 2S 5000mAh 7.4V LiPo Hard Case - UNI 2.0-L

Watt Hours per cell: 18.5
Watt Hours per battery: 37



TEST ITEM	TEST METHOD	CRITERION	CELL ID	Before The Test State			After The Test State			Test Results	Conclusion	
				I.R(mΩ)	Voltage(V)	mass(g)	I.R(mΩ)	Voltage(V)	mass(g)			
T-1 Altitude Simulation	Stored at pressure 11.6kPa for 6Hr at 20±5°C	No mass loss No leakage No venting No disassembly No rupture No fire After testing : OCV ≥ 90% Voltage	1#	11.0	8.39	261.5	11.1	8.38	261.5	No mass loss No leakage No venting No disassembly No rupture No fire	PASS	
			2#	11.1	8.39	260.9	11.2	8.39	260.9		PASS	
			3#	11.1	8.39	260.9	11.2	8.39	260.9		PASS	
			4#	11.3	8.39	261.2	11.3	8.38	261.2		PASS	
T-2 Thermal Test	Test temp 75±2°C for 6Hr & -20±2°C for 6Hr (Transfer time : 30min), Repeat 10 times		5#	11.1	8.38	260.5	11.2	8.38	260.5		PASS	
			6#	11.2	8.39	260.8	11.3	8.39	260.8		PASS	
T-3 Vibration	7Hz=>200Hz=>7Hz transverse in 15min. Repeat 12 for 3 Hr each. Total of 3 directions		1#	11.1	8.39	262.3	11.2	8.39	262.3		PASS	
			2#	11.2	8.38	261.8	11.3	8.38	261.8		PASS	
T-4 Shock	Half-sine shock of peak acceleration of 150gn,duration of 6ms. 3(pos.)shocks & follow by 3(neg.)shocks for 3 directions. Total 18 shocks		3#	11.1	8.39	261.1	11.2	8.39	261.1		PASS	
			4#	11.2	8.39	260.9	11.3	8.39	260.9		PASS	
T-5 External Short Circuit	Total external resistance of less than 0.1 ohm. Case temp.:55±2°C for 1Hr & observe for further 6 Hrs.		3#	11.3	8.39	—	—	Max Temperature 66.7°C			No disassembly No rupture No fire	PASS
			4#	11.4	8.39	—	—	Max Temperature 68.2°C				PASS
T-6 Impact	Flat surface. 15.8mm diameter bar. Mass: 9.1kg, Height: 61±2.5cm		7#	11.2	50% Charged	—	—	Max Temperature 31.5°C			No disassembly No fire	PASS
		8#	11.1	50% Charged	—	—	Max Temperature 30.9°C		PASS			
T-7 Overcharge	Maximum current(2C) specified by the manufacturer. 9V DC power supply for 24Hr.with PCM	9#	11.2	—	—	—	—	—	No disassembly No fire within 7days	PASS		
		10#	11.3	—	—	—	—	—		PASS		
T-8 Forced Discharge	Maximum discharge current (2C) specified by the manufacturer. 12V DC power supply for 0.1 Hr	11#	11.2	8.38	—	11.3	0	—	No disassembly No fire within 7days	PASS		
		12#	11.4	8.39	—	11.4	0	—		PASS		
		13#	11.2	8.39	—	11.3	0	—		PASS		

Venom Group International hereby certifies that the above products meet all United Nations dangerous material transport tests and criteria as outlined in the fifth revised edition, Amendment 1 of the UN manual under section 38.3.

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