



UN 38.3 TEST REPORT

May 30, 2018

Part#: 15112

35C 3S 5000mAh 11.1V LiPo Hardcase - UNI 2.0-L

Watt Hours per cell: 18.5
Watt Hours per battery: 55.5



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 1 90% Voltage	10K012 - 1#	4.6	12.53	420	4.7	12.53	420	No mass loss No leakage No venting No disassembly No rupture No fire	PASS
			- 2#	4.5	12.50	420	4.5	12.50	420		PASS
			- 3#	4.9	12.52	422	4.9	12.52	422		PASS
			- 4#	4.8	12.53	419	4.8	12.53	419		PASS
T-2 Thermal Test	Test temp 75±20 for 6Hr & -20±20 for 6Hr (Transfer time : 30min), Repeat 10 times		10K012 - 5#	5.0	12.52	421	4.9	12.51	421		PASS
			- 6#	4.5	12.52	418	4.4	12.52	418		PASS
T-3 Vibration	7Hz=>200Hz=>7Hz transverse in 15min. Repeat 12 for 3 Hr each. Total of 3 directions		10K012 - 1#	4.6	12.51	417	4.5	12.51	417		PASS
			- 2#	4.4	12.53	419	4.5	12.52	419		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		10K012 - 3#	4.7	12.51	416	4.6	12.51	416		PASS
			- 4#	4.8	12.51	422	4.7	12.50	422		PASS
T-5 External Short Circuit	Total external resistance of less than 0.1 ohm. Case temp.:55±20 for 1Hr & observe for further 6 Hrs.		10K012 - 3#	4.6	12.52	—	—	Max Temperature 130°C	No disassembly No rupture No fire		PASS
			- 4#	4.9	12.53	—	—	Max Temperature 132°C			PASS
T-6 Impact	Flat surface. 15.8mm diameter bar. Mass: 9.1kg, Height: 61±2.5cm	10K012 - 7#	4.7	50% Charged	—	—	Max Temperature 109°C	No disassembly No fire	PASS		
		- 8#	4.5	50% Charged	—	—	Max Temperature 111°C		PASS		
T-7 Overcharge	Maximum current(2C) specified by the manufacturer. 9V DC power supply for 24Hr.with PCM	10K012 - 9#	4.6	—	—	—	—	No disassembly No fire within 7days	PASS		
		- 10#	4.4	—	—	—	—		PASS		
T-8 Forced Discharge	Maximum discharge current (2C) specified by the manufacturer. 12V DC power supply for 0.1 Hr	10K012 - 11#	4.3	12.51	—	4.4	0	—	No disassembly No fire within 7days	PASS	
		-12#	4.7	12.52	—	4.6	0	—		PASS	
		-13#	4.9	12.51	—	4.8	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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