



UN 38.3 TEST REPORT

May 30, 2018

Part#: 15189

50C 4S 9000mAh 14.8V LiPo - UNI 2.0-TRX

Watt Hours per cell: 33.3
Watt Hours per battery: 133.2



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#	16.2	16.78	787.3	16.3	16.78	787.3	No mass loss No leakage No venting No disassembly No rupture No fire	PASS	
			2#	16.3	16.78	786.8	16.4	16.78	786.8		PASS	
			3#	16.5	16.78	786.3	16.4	16.78	786.3		PASS	
			4#	16.6	16.79	785.9	16.5	16.78	785.9		PASS	
T-2 Thermal Test	Test temp 75±2°C for 6Hr & -20±2°C for 6Hr (Transfer time : 30min), Repeat 10 times		5#	16.2	16.79	786.0	16.3	16.79	786.0		PASS	
			6#	16.4	16.79	786.3	16.3	16.78	786.3		PASS	
T-3 Vibration	7Hz=>200Hz=>7Hz tranverse in 15min. Repeat 12 for 3 Hr each. Total of 3 directions		1#	16.8	16.79	785.9	16.6	16.78	785.9		PASS	
			2#	16.6	16.79	787.3	16.6	16.79	787.3		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#	16.4	16.78	786.5	16.4	16.78	786.5		PASS	
			4#	16.3	16.79	786.4	16.4	16.78	786.4		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#	16.5	16.78	—	—	Max Temperature 66.7°C			No disassembly No rupture No fire	PASS
			4#	16.1	16.79	—	—	Max Temperature 68.2°C				PASS
T-6 Impact	Flat surface. 15.8mm diameter bar. Mass: 9.1kg, Height: 61±2.5cm		7#	16.5	50% Charged	—	—	Max Temperature 31.5°C			No disassembly No fire	PASS
		8#	16.3	50% Charged	—	—	Max Temperature 30.9°C		PASS			
T-7 Overcharge	Maximum current(2C) specified by the manufacturer. 18V DC power supply for 24Hr.with PCM	9#	16.6	—	—	—	—	—	No disassembly No fire within 7days	PASS		
		10#	16.1	—	—	—	—	—		PASS		
T-8 Forced Discharge	Maximum discharge current (2C) specified by the manufacturer. 12V DC power supply for 0.1 Hr	11#	16.3	16.78	—	16.4	0	—	No disassembly No fire within 7days	PASS		
		12#	16.3	16.78	—	16.3	0	—		PASS		
		13#	16.6	16.79	—	16.5	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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