



UN 38.3 TEST REPORT

May 30, 2018

Part#: 15187

50C 3S 10500mAh 11.1V LiPo - UNI 2.0-TRX

Watt Hours per cell: 38.85
Watt Hours per battery: 116.55



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#	18.2	12.59	716.5	18.3	12.59	716.5	No mass loss No leakage No venting No disassembly No rupture No fire	PASS
			2#	18.3	12.59	715.4	18.4	12.58	715.4		PASS
			3#	18.5	12.59	715.6	18.6	12.59	715.6		PASS
			4#	18.7	12.58	716.2	18.7	12.58	716.2		PASS
T-2 Thermal Test	Test temp 75±2°C for 6Hr & -20±2°C for 6Hr (Transfer time : 30min), Repeat 10 times		5#	18.3	12.59	717.1	18.4	12.59	717.1		PASS
			6#	18.5	12.59	715.6	18.5	12.59	715.6		PASS
T-3 Vibration	7Hz=>200Hz=>7Hz tranverse in 15min. Repeat 12 for 3 Hr each. Total of 3 directions		1#	18.6	12.59	716.5	18.7	12.58	716.5		PASS
			2#	18.7	12.59	716.9	18.8	12.59	716.9		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#	18.4	12.58	717.2	18.5	12.58	717.2		PASS
			4#	18.5	12.58	717.5	18.6	12.58	717.5		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#	18.6	12.59	—	—	Max Temperature 66.7°C		No disassembly No rupture No fire	PASS	
		4#	18.3	12.59	—	—	Max Temperature 68.2°C			PASS	
T-6 Impact	Flat surface. 15.8mm diameter bar. Mass: 9.1kg. Height: 61±2.5cm	7#	18.5	50% Charged	—	—	Max Temperature 31.5°C		No disassembly No fire	PASS	
		8#	18.4	50% Charged	—	—	Max Temperature 30.9°C			PASS	
T-7 Overcharge	Maximum current(2C) specified by the manufacturer. 13.5V DC power supply for 24Hr.with PCM	9#	18.7	—	—	—	—	—	No disassembly No fire within 7days	PASS	
		10#	18.3	—	—	—	—	—		PASS	
T-8 Forced Discharge	Maximum discharge current (2C) specified by the manufacturer. 12V DC power supply for 0.1 Hr	11#	18.4	12.58	—	18.4	0	—	No disassembly No fire within 7days	PASS	
		12#	18.4	12.59	—	18.5	0	—		PASS	
		13#	18.6	12.59	—	18.5	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.

Keith Wallace
Venom Group International

Venom Group International 14028 N. Ohio ST.
Rathdrum, Idaho 83858 • Tel: 800-705-0620