

## CELL/BATTERY UN 38.3 TEST SUMMARY

**Product Manufacturer:** ACR ELECTRONICS, 5757 Ravenswood Road, Fort Lauderdale, FL 33312, USA

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ACR ELECTRONICS's product lithium metal batteries have been successfully tested and comply with the UN Model Regulations, Manual of Tests and Criteria, Part III, subsection 38.3.

UN38.3 PERFORMED TESTS			RESULTS
38.3.4.1	T1	Altitude Simulation	PASS
38.3.4.2	T2	Thermal Test	PASS
38.3.4.3	T3	Vibration	PASS
38.3.4.4	T4	Shock	PASS
38.3.4.5	T5	External Short Circuit	PASS
38.3.4.6	T6	Impact/Crush	PASS
38.3.4.7	T7	Overcharge	n/a
38.3.4.8	T8	Forced Discharge	PASS

### PRODUCT TEST INFORMATION

ACR Order P/N	ACR Manufacture P/N	Battery Description	Battery Weight (Kg)	Lithium Weight grams	Test Report
1061	A1-13-0126	LiFeO2 Battery, SR203	0.148	1.96	112011/1 11/01/2011
1066	A3-06-1727-3	Li/MnO2 Battery SR102/103 VHF	0.15	2.9	20-21532-1 03/04/2020
1083	A1-13-0106	Li-FeS2 Battery AA	0.015	0.75	1118120077 24 Jan 2019
1096	A3-06-2067	Li-SO2 Battery RLB32/33	0.35	7.2	20-21532-1 03/04/2020
1096NH	A3-06-2449-1	Li/MnO2 Battery RLB32	0.054	1.74	20-21532-1 03/04/2020
1098.1	A3-06-1793-2	Li-SO2 Battery RLB35	0.35	7.2	20-21532-1 03/04/2020
1098.1NH	A3-06-2449-1	Li/MnO2 Battery RLB35NH	0.054	1.74	20-21532-1 03/04/2020
1099.1	A3-06-2326	Li/MnO2 Battery PLB200	0.15	2.32	190 12/01/2003
1099.1NH	A3-06-2449-1	Li/MnO2 Battery PLB200NH	0.054	1.74	20-21532-1 03/04/2020

ACR Order P/N	ACR Manufacture P/N	Battery Description	Battery Weight (Kg)	Lithium Weight grams	Test Report
1100	A3-06-2511	Li/MnO2 Battery PLB300	0.054	1.74	20-21532-1 03/04/2020
1101	A3-06-2613	Li/MnO2 Battery PLB350	0.037	1.16	20-21532-1 03/04/2020
1102	A3-06-2449-1	Li/MnO2 Battery RLB36/40	0.054	1.74	20-21532-1 03/04/2020
1103	A3-06-2703	Li/MnO2 Battery PLB375	0.054	1.74	20-21532-1 03/04/2020
1104	A3-06-2860	Li/MnO2 Battery RLB41	0.156	5.22	20-21532-1 03/04/2020
1105	A3-06-2703	Li/MnO2 Battery PLB-400/410/425/435	0.054	1.74	20-21532-1 03/04/2020
131-0001	131-0001	Li/MnO2 Battery 6V	0.0094	0.12	C-B-168-01 11/06/2019
2714.4	A3-06-2322	Li-SO2 Battery SART	0.18	4.8	20-21532-1 03/04/2020
2714.4NH	A3-06-2669 (contains 3 A3-06-2511)	Li/MnO2 Battery NH SART	0.054	5.22	20-21532-1 03/04/2020
2920	A3-06-2960	Li-FeS2 Battery Pfinder PRO	0.090	1.96	11/002 Feb 09, 2011
	BP-1000 OR0971	Li-SO2 Battery SLB1000	0.32	7.2	TR-05-25 02/18/2005
PL215-10	PL215-10	Li/BrCl Battery SLB2000	0.112	2.2	2003-042 C02E1-036.7 06-24-2003
452-0128	131-0006	Li/MnO2 Battery LI 6V (remote switch)	.040	1.15	2CR5:A:012018 1 Jan 2018 2CR5:J:082018 9 August 2018
452-0129	452-0129	Li-SO2 Battery SLB406	0.32	5.1	20-21532-1 03/04/2020
452-0131	452-0131	Li-SO2 Battery ELT406	0.57	9.6	20-21532-1 03/04/2020
452-0133	452-0133	Li/MnO2 Battery 406 Series	0.71	13.6	452-0133 04/03/2013
452-0222	452-0222	Li/MnO2 Battery G406 Series	0.71	13.6	20-21532-1 03/04/2020
452-3065	452-3065	Li/CFx Battery ELT-200 LI	0.168	6.8	20-21532-1 03/04/2020
452-6504-1	452-6504-1	Li-SO2 Battery ELT1000	0.41	4.8	20-21532-1 03/04/2020

<b>ACR Order P/N</b>	<b>ACR Manufacture P/N</b>	<b>Battery Description</b>	<b>Battery Weight (Kg)</b>	<b>Lithium Weight grams</b>	<b>Test Report</b>
455-0012	452-6499	Li/MnO2 Battery ME406 ELT	0.41	6.8	20-21532-1 03/04/2020
452-6499	452-6499	Li/MnO2 Battery ME406 Yellow	0.41	6.8	20-21532-1 03/04/2020
2980	A3-06-3207	Li/MnO2 OLAS TAG	.0105	0.3	CP0020-7 2009/01/09
2981	A3-06-3208	Li/MnO2 OLAS TAG 4 pack	.042	1.2	CP0020-7 2009/01/09
9608	A3-06-2987	Li/MnO2 Battery AISLink MOB	.034	1.16	CP0015-13 2013/09/26
3764	A3-06-2891-2	Li/MnO2 HemiLight 3 (batt. Included)	.011	0.2948	20-21532-1 03/04/2020
8322	A3-06-2883	Li/MnO2 Battery ELT 345	.230	6.8	20-21532-1 03/04/2020
8315	A3-06-2863	Li/MnO2 Battery ELT 3000	.364	6.8	UNTR-0153 01 May 14

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ACR Order P/N	ACR Manufacture P/N	Battery Description	Battery Weight (Kg)	Lithium Weight grams	Test Report
1062	A1-13-0127	LiCoO2 (13.3 Wh) Rechargeable Battery, SR203	0.112	<1	112011/1 11/01/2011
2982	A3-06-3209	Li-Ion (2.59 Wh) FLOAT-ON	.019	0.21	STR15089255S 2015-08-28
2983	A3-06-3210	Li-Ion (2.59 Wh) OLAS FLOAT-ON	.019	0.21	STR15089255S 2015-08-28
2986	A3-06-3213	Li-Ion (2.59 Wh) OLAS EXTENDER	.019	0.21	STR15089255S 2015-08-28
8709	A1-13-0131	Li-Ion (12.5 Wh) Battery, ELT Test Set	.067	0.51	BAK-103450*2 12-21-2011
452-0102	452-0102	Li-Ion (7.6 Wh) Battery, ELT Test Set	.067	0.57	2BAK- 083448S-PACK 2020/1/2

Signature with name and Job Title of signatory:

Dan Stankovic  
**ACR ELECTRONICS,**  
 Director of Test and Certification