

LITHIUM CELLS OR BATTERIES TEST SUMMARY
IN ACCORDANCE WITH SUB-SECTION 38.3
OF UN MANUAL OF TESTS AND CRITERIA

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LGC's product lithium ion cells and batteries have been successfully tested and comply with the UN Model Regulations Manual of Tests and Criteria, Part III, subsection 38.3

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	Pass
38.3.4.8	T8	Forced Discharge	Pass

The UN38.3 tests were performed by one of the following test houses and were tested to UN Manual Test and Criteria Revision 3 Amendment 1 or subsequent revisions or amendments.

Test Lab 1	Test Lab 2
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Product Test Information

BYD DPN	Physical Description	Battery Weight (g) Mass	Wh Rating	Test Report Number	Test Report Date

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5D91C	Berlinetta XPS/P MLK_3_Poly_ED650	230.84	56	QDI-160704-B-H5H20	160704
5XJ28	Berlinetta XPS/P MLK_6_Poly_ED750	356.48	97	QDI-181226-B-6GTPY	181226
FPT1C	Breckenridge 12/14/15/P_4_Poly_ED700	320.83	68	QDI-160630-B-GJKNX	160630
NY5PG	Breckenridge12/14/15/P_6_Poly_ED700	427.54	92	QDI-160630-B-VG93N	160630
83XPC	Breckenridge 12/14/15_3_Poly_ED700	244.65	51	QDI-181227-B-93FTF	181227
3VC9Y	Breckenridge 12/14/15_3_Pris_ED630	200.84	42	QDI-170109-B-3DDDG	170109
WG6RP	Goliad_MLK_12_3_Primary_Thin_cfg	238.06	39	QDI-181029-B-F3G33	181029
DWJHM	Goliad_MLK_12_4_LCL_Poly_ED600	270.85	52	QAE-EF02-131115-PKV59	131115
GV7HC	Goliad_MLK_14_3_Primary_Thin_cfg	307.84	54	QAE-EF02-131115-PK3RNF	131115
CJW7D	Goliad_MLK_14_4_LCL_Poly_ED600	258.89	40	QAE-EF02-131115-PK3RNF	131115
H754V	Italia_4_Poly_ED750	202.50	52	QDI-170328-B-DXGH8	170328
Y07HK	Keystone11/Corinth11_3_Pris_ED630_Chrome	178.84	42	QDI-160727-B-51KD7	160727
1GGDK	Keystone13_4_LCL_Pris_ED630_Wins	235.04	56	QDI-170418-B-33YDH	170418
1V0PP	Miramar15/17_6_Poly_ED520	380.89	72	QAE-EF02-150204-PKT05W1	150204
RDYCT	Miramar15/17_6_Upsell_Poly_ED650	390.73	91	QAE-EF02-150204-PKMFVP	150204
5JT8G	Pebble Creek_3_Poly_ED700	132.32	31.5	QDI-190102-B-1WND8	190102

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FTG78	Pebble Creek_4_LCL_Poly_ED700	165.57	42	QDI-190102-B-JOPGR	190102
PWM3D	Round Rock_4_3.0_Primary_cfg	245.68	43	QAE-EF02-150714-PK5MTD8	150714
3NG29	Round Rock_6_3.0_Primary_cfg	336.23	65	QAE-EF02-150714-PKYFDF9	150714
K5NN2	Round Rock_6_3.0_Primary_cfg	336.23	65	QAE-EF02-150714-PKYFDF9	150714
4KFGD	Salado_14_6_3.0_Primary_cfg	326.75	65	QAE-EF02-150714-PKN3X1D	150714
5DN1K	Salado_14_9_3.0_Primary_cfg	487.75	97	QAE-EF02-150714-PK71R31	150714
T2JX4	Starlord/Dali/Astro/Gamora/Taos/Keystone_3_Pris_ED630(New)	175.84	42	QDI-170109-B-WDX0R	170109
C27RW	Steamboat12/14_3_Pris_ED630	180.84	42	QDI-170109-B-DJ1JO	170109
MYJ96	Steamboat12/14_4_LCL_Poly_ED700	260.34	60	QDI-160617-B-F3YGT	160617
6NNCF	Vancouver 3C	246.65	51	QDI-171110-B-7WNW1	171110
GK3D3	Vancouver 3C	246.65	51	QDI-171110-B-7WNW1	171110
8622M	Orion 4C	252.06	60	QDI-180509-B-1F22N	180509
H6K6V	Whiteheaven 4C	284.86	64	QDI-181129-B-5TF10	181129
7MOT6	Whiteheaven 6C	425.93	97	QDI-181221-B-NYFJH	181221
FDRHM	Rogue one	174.40	42	QDI-190820-B-YRDD6	190820
3KF82	Merion 42Wh 3C	188.85	42	QDI-180706-B-OG74G	180706

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829MX	Merion 60Wh 4C	256.89	60	QDI-180706-B-MXV9V	180706
XV8CJ	Northbay 42Wh 3C	198.45	42	QDI-180822-B-1V1XF	180822
49HG8	Northbay 51Wh 3C	243.90	51	QDI-180906-B-R8D7N	180906
X77XY	Northbay 68Wh 4C	321.58	68	QDI-180906-B-4GVMP	180906
8W3YY	Spyglass 52Wh 4C	219.33	52	QDI-180810-B-NF2MW	180810
C76H7	Spyglass 78Wh 6C	315.68	78	QDI-180710-B-7146W	180710
10X1J	Brook Hollow 4C	326.15	68	QDI-181130-B-3HWPP	181130
1WJT0	Brook Hollow 6C	437.41	97	QDI-181201-B-1FXDH	181201
07GDY	Forest Creeks	174.40	42	QDI-190820-B-YRDD6	190820
415CG	Selek and Mantis	209.09	51	QDI-180109-B-266J9	180109
M9XPM	PERC 9-1	17.56	1.8	QAE-EF02-151214-SB-T40JJ	151214
R89JJ	Crested Butte 2C	126.64	20	QAE-EF02-140407-PKTM9HP	140407
Y9HNT	Goliad_12_3_Primary_Thin_cfg	225.98	31	QDI-181030-B-GVD76	181030
HFRC3	Jefferson_2_Primary_Thin_cfg	165.95	38	QAE-EF02-140220-PK2H2G4	140220
FT6D9	Alpine14/15_4_2.8_Primary_cfg	238.15	40	QAE-EF02-130328-PKVJXMC	130328
92NCT	Redwood_Cottonwood_3_Pri_Thin_cfg	236.99	43	QDI-161109-B-GK5KY	161109

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KTCCN	Belmont_3_Primary_Thin	227.97	43	QAE-EF02-141008-PK5R9DD	141008
W57CV	Goliad_MLK_12_4_Primary_Thin_cfg	270.85	52	QAE-EF02-131115-PKV5V59	131115
2P9KD	Echo_13	294.30	51	QAE-EF02-140508-PK3V806	140508
G95J5	Goliad_MLK_14_4_Primary_Thin_cfg	258.89	40	QAE-EF02-131115-PKV8XN3	131115
VTDT2	Foxglove	313.34	58	QAE-EF02-140715-PKVMYGJ	140715
JNT6D	Jasmine_4_Pris_ED520	313.34	58	QAE-EF02-140715-PKVMYGJ	140715
6CYH6	Kirkwood 12/13_4_LCL_Poly_ED750	260.63	60	QDI-160715-B-K5XWW	160715
WTG3T	Houston12/14/15_4_Upsell_Primary_Thin	306.09	62	QAE-EF02-150323-PK6MT4T	150323
T453X	Berlinetta 15/P_6_Poly_ED650	330.97	84	QAE-EF02-151209-B-4GVGH	151209
G9G1H	Park City14/15/P_6_Poly_ED650	421.96	84	QAE-EF02-150202-PKWJ5R2	150202
Y6KM7	Alpine14/15_9_3.0_Primary_cfg	507.18	97	QAE-EF02-130328-PKN5YH9	130328
2VMGK	Echo_13_4_Upsell	276.76	62	QAE-EF02-150127-PKN1WM4	150127
4RRR3	Cassini13_4_Poly_ED650	329.83	76	QDI-160415-B-TDW5P	160415
5PYY9	Houston12/14/15_3_Primary_Thin_cfg	188.35	38	QAE-EF02-131114-PKRYXXH	131114
DFVYN	Maple_4C	343.33	58	QAE-EF02-131104-PK0PD19	131104
FY2VW	Whiteheaven 6C LCL	423.56	97	QDI-181221-B-NYFJH	181221

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G4YJM	Hadley15/17_4_Primary_Thin_cfg	333.87	58	QAE-EF02-130510-PKF7HVR	130510
J7KGM	Dalmore_14_9_3.0_Primary_cfg	498.82	97	QAE-EF02-100726-PKM5YOX	100726
M6WKR	Firelord14_4_Pris_ED630	239.56	56	QDI-160427-B-PWKWM	160427
NPOV3	Aventador_4_Poly_Mix_ED750	196.80	46	QDI-190102-B-NNF1C	190102
NVWGM	Alpine14/15_6_3.0_Primary_cfg	337.91	65	QAE-EF02-130328-PKVV0NF	130328
RDRH9	Park City14/15_3_Poly_ED650	245.81	47	QAE-EF02-150202-PKNGGX5	150202
546FF	Cassini15/17_4_Poly_ED700	310.82	68	QDI-160426-B-44T2R	160426
8YPRW	Starlord/Dali/Astro/Gamora/Taos/Keystone_3_Pris_ED630(New)	175.84	42	QDI-170109-B-WDX0R	170109
RNP72	Dino 2 MLK_4_Poly_ ED700	240.83	60	QDI-160224-B-PW23Y	160224
242WD	Beaver_Creek_4	285.71	55	QDI-181029-B-J60J5	181029
N4TXM	fei dao_3_primary_thin_cfg	300.45	36	QAE-EF02-120423-PKXX1D1	120423
991XP	Iris/Tulip/VG14/Loveland_15_17_4_2.8_PRIMARY	222.39	40	QDI-181029-B-M5Y1K	181029
KR71X	Goliad_14_3_Primary_Thin_cfg	234.74	34	QAE-EF02-121207-PKPFXCR	121207
5K9CP	Dino 2	240.89	56	QAE-EF02-150423-PK90V7W	150423
J31N7	Goliad_12_4_Primary_Thin_VPro_cfg	269.87	45	QAE-EF02-130222-PKWD52H	130222
01D82	Cassini15/17_6_Poly_ED700	420.50	99	QDI-160426-B-9NJM1	160426

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J8FXW	Park City14/15_4_LCL_Poly_ED650	306.09	62	QAE-EF02-150323-PK6MT4T	150323
K9GVN	Houston12/14/15_4_Primary_Thin_cfg	294.24	51	QAE-EF02-131213-PKG5M10	131213
V55D0	Bold_Peak_2_Tablet	134.78	30	QAE-EF02-150325-PK7VKV9	150325
YKF0M	Audi 14_6_2.2_Primary_cfg	332.76	48	QAE-EF02-111020-PK8858X	111020
VOXTF	Audi_13_4_primary_thin_cfg	275.00	49	QAE-EF02-111125-PKTKN25	111125
NJJ2H	Beaver Creek 12/14_4_LCL_Poly_ED650	285.71	55	QDI-181029-B-J60J5	181029
62MJV	Berlinetta 15/P_3_Poly_ED650	228.97	56	QAE-EF02-150414-PKRRCGW	150414
VXT50	Bold_Peak_2_Base	95.65	19	QAE-EF02-150325-PK9KY50	150325
DV9NT	Breckenridge 12/14/15/P_4_Poly_ED700	320.83	68	QDI-160630-B-GJKNX	160630
4H34M	Celtic_4_PolyMix_ED700	200.71	43	QAE-EF02-150812-PKP63NY	150812
YX81V	CrestedButte_3_thin.cfg	158.87	30	QAE-EF02-140407-PK271J9	140407
FRVYX	CrestedButte_Dock_2_thin.cfg	126.64	20	QAE-EF02-140407-PKTM9HP	140407
HMYXT	Dalmore_14_6_2.8_Primary_cfg	498.82	97	QAE-EF02-100726-PKM5YOX	100726
0D47W	Goliad_14_4_Primary_Thin_VPro_cfg	284.87	47	QAE-EF02-130222-PK34GKR	130222
9P4D2	Houston12/14/15_3_Primary_Thin_cfg	188.35	38	QAE-EF02-131114-PKRYXXH	131114
8V5GX	Houston12/14/15_4_Primary_Thin_cfg	294.24	51	QAE-EF02-131213-PKG5M10	131213

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7PY0D	Iris/Tulip/VG14/Loveland_15_17_4_2.8_ECC	222.39	40	QDI-181029-B-M5Y1K	181029
RTC77	Iris/Tulip/VG14_15_17_4_3.2_PRIMARY	230.93	47	QAE-EF02-140904-PKK185W	140904
6MYFW	Jarama_4_Primary_Thin_cfg	212.59	40	QAE-EF02-130415-PKDGGGT	130415
PKG3N	Jayton base	167.96	28	QAE-EF02-150512-PK1MCMX	150512
CFC6C	Keyboard_Docking_thin_cfg	144.28	28	QAE-EF02-130527-PK7WMM7	130527
CFX97	Kirkwood 12/13_3_Poly_ED750	200.50	45	QDI-160715-B-71TG4	160715
725KY	Kirkwood 12/13_4_Poly_ED750	260.63	60	QDI-160715-B-K5XWW	160715
OD074	Kit Park City15/P_4_Poly_ED650	306.09	62	QAE-EF02-150323-PK6MT4T	150323
K1G3K	Kit Park City15/P_6_Poly_ED650	421.96	84	QAE-EF02-150202-PKWJ5R2	150202
OC178	Kit Park City15_3_Poly_ED650	245.81	47	QAE-EF02-150202-PKNGGX5	150202
V5MHM	La Ferrari	296.84	75	QDI-170918-B-8N0T7	170918
TVMVN	Mac14_6_Primary_cfg	498.82	97	QAE-EF02-100726-PKM5YOX	100726
V57XN	Mac14_9_Primary_cfg	498.82	97	QAE-EF02-100726-PKM5YOX	100726
05VFW	Mac14_9_Primary_LongLife_cfg	498.82	97	QAE-EF02-100726-PKM5YOX	100726
1V2F6	Maple_3_Primary_Thin_cfg	268.92	43	QAE-EF02-131104-PKTRHFF	131104
CR8V9	Merion 60Wh LCL 4C	256.76	60	QDI-180706-B-MXV9V	180706

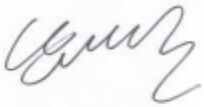
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5H46R	Northbay 68Wh LCL 4C	321.58	68	QDI-180906-B-4GVMP	180906
OMF69	OAK14/15/17_6_3.0_TOUCH_PRIMARY_cfg	324.47	65	QAE-EF02-120611-PKMR90Y	120611
T1G4M	OAK14/15_4_2.8_PRIMARY_cfg	235.16	40	QDI-160521-B-XCMRD	160521
HK6DV	Park City14/15_4_Poly_ED650	306.09	62	QAE-EF02-150323-PK6MT4T	150323
X16TW	Pebble Creek_4_Poly_ED700	165.57	42	QDI-190102-B-JOPGR	190102
70K80	PERC 8	17.56	1.8	QAE-EF02-151214-SB-T40JJ	151214
H132V	PERC 9	17.56	1.8	QAE-EF02-151214-SB-T40JJ	151214
KCFPM	Soccer_6_Primary_cfg	321.91	48	QAE-EF02-090902-PKTKV2V	090902
C7P81	Spyglass 52Wh LCL 4C	219.33	52	QDI-180810-B-NF2MW	180810
81PF3	Starlord/Taos/Keystone_4_Pris_ED630	235.04	56	QDI-170418-B-33YDH	170418
99NF2	Starlord/Taos/Keystone_4_Pris_ED630_NEW	235.04	56	QDI-170418-B-33YDH	170418
2X39G	Steamboat12/14_4_Poly_ED700	260.34	60	QDI-160617-B-F3YGT	160617
OWF28	Redwood_Cottonwood_3_Pri_Thin_cfg	236.99	43	QDI-161109-B-GK5KY	161109
HMNKM	Maple_4C	343.33	58	QAE-EF02-131104-PK0PD19	131104
MN791	CrestedButte_3_thin.cfg	158.87	30	QAE-EF02-140407-PK271J9	140407
9P3NW		232.78	56	QDI-190611-B-4WNOY	190611

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2XXFW		205.44	52	QDI- 190618-B- 722KK	190618
FP02G		148.74	27	QAE-EF02- 120813- PKJD33K	120813

Signature:



Dae Ho Nam
Team Leader

Date:

11/07/2019