



# Comparison of Lithium-Polymer Batteries

Customized for Aktion RC's Lithium-Polymer 540i Conversion Kit

Rank (by A)	Brand	Model	Cost (2S)	mAh	C (cont)	C (max)	A (cont)	A (max)	Oz. (2S)	Grams (2S)	L	W	Height (2S)	Height (3S)	Through Belt?	540 (27T)	480	400	300	180	Comments
1	Hyperion	HX2S-1800	\$43.00	1800	20	30	36.0	54.0	3.21	91.0	100	33	15	23	yes	•	•	•	•	•	High current, good fit, good price
2	Thunderpower	TP2100-2S	\$56.00	2100	15	20	31.5	42.0	3.351	95.0	98	34	13	20	yes	•	•	•	•	•	"Pro Lite" pack only.
3	Apogee	1500-2S1P	\$39.00	1500	20	30	30.0	45.0	2.86	80.0	101.5	31	15.5	24.1	yes	•	•	•	•	•	New 20C HP Packs, high peak current, very light
4	MaxAmps	2100mAh	\$42.00	2100	14.3	19	30.0	40.0	4.6	129.0	98	35	18	26	yes	•	•	•	•	•	Good fit overall fit in kit, high current, good price.
5	Kokam	2000mAh	\$57.00	2000	15	na	30.0	na	4.2	119.1	79	46	15	23	yes	•	•	•	•	•	Some packs only rated 12C with no distinction between.
6	Polyquest	PX2S-1800	\$47.00	1800	15	20	27.0	36.0	3.63	103.0	98	34	18	26	yes	•	•	•	•	•	New 20C pack only. This is a PEAK rating.
7	HiModel	2200mAh		2200	12.0	18	26.4	39.6	4.2	118.0	103	35	16.0	24	yes	•	•	•	•	•	3mm wider than chassis, high mAh.
8	Apogee	2480mAh		2480	10.5	14	26.0	34.7	3.7	104.9	90	45	11	17	yes	•	•	•	•	•	3S (11.1V) fits through belt.
9	Thunderpower	TP2000-S2	\$55.00	2000	12	14	24.0	28.0	2.9	83.1	63.5	46.3	13.0	20	either	•	•	•	•	•	3S (11.1V) fits under upper deck only.
10	Apogee	2170mAh		2170	10.5	14	22.8	30.4	3.2	89.9	90	40	10	15	yes	•	•	•	•	•	3S (11.1V) fits through belt.
11	Polyquest	PX2S-1500		1500	15	20	22.5	30.0	3.00	85.0	98	34	16	23	yes	•	•	•	•	•	New 20C pack only. This is a PEAK rating.
12	Apogee	2080mAh		2080	10.5	14	21.8	29.1	4.9	138.1	85	53	na	13	yes	•	•	•	•	•	3S (11.1V) fits through belt.
13	Polyquest	1800N		1800	12	16	21.6	28.8	3.32	94.1	98	35	14	21	yes	•	•	•	•	•	Good pack for smaller motors.
14	HiModel	1800mAh		1800	12.0	18	21.6	32.4	3.5	100.0	103	35	13.0	21	yes	•	•	•	•	•	3mm wider than chassis.
15	Thunderpower	1900mAh	\$50.00	1900	10	16	19.0	30.4	2.75	78.0	68	45	12	20	either	•	•	•	•	•	Gen2 Pack. 3S Fits under upper deck only.
16	Electrify	1250mAh		1250	15.0	na	18.8	na	2.5	70.9	80	42	13.0	20	yes	•	•	•	•	•	Peak current not specified
17	Kokam	1250mAh	\$35.00	1250	15	na	18.8	na	2.92	82.8	81	41	11	17	yes	•	•	•	•	•	3S (11.1V) fits through belt.
18	MaxAmps	1500mAh	\$33.00	1500	12.0	20	18.0	30.0	3.2	91.0	98	35	14.0	20	yes	•	•	•	•	•	Good pack for smaller motors.
19	Polyquest	PX2S-1200		1200	15	20	18.0	24.0	2.6	75.0	98	34	13	19	yes	•	•	•	•	•	New 20C pack only. This is a PEAK rating.
20	Apogee	1660mAh		1660	10.5	14	17.4	23.2	2.9	81.9	110	34	11.0	17	yes	•	•	•	•	•	12mm wider than chassis, not really recommended.
21	Polyquest	1450N	\$30.00	1450	12	16	17.4	23.2	2.6	74.0	98	35	12.0	17	yes	•	•	•	•	•	3S (11.1V) fits through belt.
22	Thunderpower	1320mAh		1320	13	20	17.2	26.4	1.94	55.0	64	34	13	20	either	•	•	•	•	•	"Pro-Lite Pack" Only. 3S Fits under upper deck only.
23	Apogee	1570mAh		1570	10.5	14	16.5	22.0	2.7	76.5	69	42	11.0	17	either	•	•	•	•	•	3S (11.1V) fits through belt.
24	Polyquest	PQ2S-1500		1500	10	12	15.0	18.0	2.4	68.0	73	44	12	17	yes	•	•	•	•	•	3S (11.1V) fits through belt.
25	Kokam	1500mAh	\$30.00	1500	8	na	12.0	na	2.8	79.4	79	41	13	18	yes	•	•	•	•	•	3S (11.1V) fits through belt.
26	Electrify	1500mAh		1500	8.0	na	12.0	na	2.6	72.6	72	38	13.0	19	yes	•	•	•	•	•	No max C rating defined.
27	Apogee	1050mAh		1050	10.5	14	11.0	14.7	1.8	51.9	62	35	10.4	16	either	•	•	•	•	•	3S Fits under upper deck only.
28	Polyquest	PQ2S-1100		1100	10	12	11.0	13.2	1.9	53.9	66	37	12	17	either	•	•	•	•	•	3S (11.1V) fits through belt

### Additional Comments

#### Best Packs for 540 use:

Hyperion HX2S-1800 20C Pack  
 Thunderpower 2100mAh Pro Lite 15C Pack  
 MaxAmps 2100mAh 14C Pack  
 Apogee 20C HP 1500-2SP1 Pack  
 Kokam 2000mAh 15C Pack  
 Polyquest PXS2S-1800 15C Pack  
 HiModel 2200mAh 12C pack  
 Apogee 2480mAh 10.5C pack

#### Best 3S packs for 480, 400, 300, 180 use:

Hyperion HX3S-1200 20C Pack  
 All Apogee packs from 1570 mAh to 2480mAh w/10.5C rate  
 Thunderpower 2000mAh "Pro-Lite" Pack  
 Thunderpower 1900mAh Gen2 and 1320 "Pro-Lite"  
 Kokam 1250mAh Pack  
 Polyquest PQ2S-1100, 10C pack (180 and 300 motors only)  
 Apogee 1050mAh, 10.5C pack (180 and 300 motors only)



\*Pricing and specifications subject to change at any time. Please check with the manufacturer for latest specifications. This page last updated on 01/25/06.