



Comparison of Lithium-Polymer Batteries

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

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

Additional Comments

Best Packs for 540 use:

Thunderpower 2100mAh Pro Lite 15C Pack
 MaxAmps 2100mAh 14C 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:

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
 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 11/04/05.