



## APPROVED 2S. 'SADDLE' Lithium (LiPo) BATTERY LIST. 2014 v1.










List shows years :- 2011 -- 2014.











Only Batteries detailed below (and any archive lists) are approved for EFRA Sanctioned Events.

### EUROPEAN FEDERATION RADIO CONTROLLED AUTOMOBILES.

Lithium based (LiPo) batteries detailed below, are approved for various EFRA Electric Classes. Section Rules will detail Classes applicable. EFRA rules do not limit capacity or power output of batteries. Values below are Manufacturers data. -- Packs factory sealed (glue, weld etc). Availability dates for new EFRA compliant Packs are not known at the date of publishing this list. Manufacturers have confirmed March 2014 latest. Battery packs must be able to be disconnected within the Car quickly without the use of tools. Direct soldering is not allowed. Batteries approved from 2011 onwards must comply with the weight range specified under manufacturers data.

**It is essential that batteries on this list are charged using a 2S LiPo compatible charger.** It is advisable to restrict charge rates to 1C. **It is strictly NOT ALLOWED, to charge 2S LiPo Batteries to give an output voltage exceeding 8.40v. LiPo 'Sack' must be used when charging.**

| Origin of Supply  | Cell Name, Shrink Details         | Illustration only   | Manufacturer Data.   | EFRA measured Specification,                                     | Approval Date |
|---|-----------------------------------|---|--|--|---------------|
| <b>BATTERIES BELOW THIS LEVEL ARE APPROVED BY EFRA FOR 2014 AND ARE ALLOWED AT 2014 EVENTS FROM 01.04.14.</b> |                                   |   |  |  |               |
| CS-Electronic   | CS Professional<br># C211033      |    | CS<br>LiPo 2S 7.4v.<br>44.4 Wh. 80C<br>Wt. 267/289 g.            | Sample complies with EFRA dimensions.<br><br>Wt. 279.9 g.        | 05.01.14      |
| Hacker Motor  | Hacker Top Fuel<br># 75700278     |    | Hacker<br>LiPo 2S 7.4v.<br>40.7 Wh. 90C<br>Wt. 277/300 g.        | Sample complies with EFRA dimensions.<br><br>Wt. 288.2 g.        | 05.01.14      |
| Hobbico RC  | TrakPower<br># TKPC0625           |   | TrakPower<br>LiPo 2S 7.4v.<br>22 (x2) Wh. 90C<br>Wt. 267/289 g.  | Sample complies with EFRA dimensions.<br><br>Wt. 278.5 g.        | 05.01.14      |
| VTEC LRP  | VTEC<br># 430213                  |  | LRP<br>LiPo 2S 7.4v.<br>42.9 Wh. 55C<br>Wt. 267/289 g.           | Sample complies with EFRA dimensions.<br><br>Wt. 279.4 g.        | 05.01.14      |
| Muchmore Racing   | Muchmore Impact<br># MLI-IS5000FD |  | Muchmore<br>LiPo 2S 7.4v.<br>37.0 Wh. 50C<br>Wt. 245/265 g.      | Sample complies with EFRA dimensions.<br><br>Wt. 254.6 g.        | 05.01.14      |
| Neidhart SA   | ORION Carbon Pro<br># ORI 14063   |  | Orion<br>LiPo 2S 7.4v.<br>40.7 Wh. 100C<br>Wt. 276/3300 g.       | Sample complies with EFRA dimensions.<br><br>Wt. 288.1 g.        | 05.01.14      |
| Neidhart SA   | ORION Carbon Pro<br># ORI 14064   |  | Orion<br>LiPo 2S 7.4v.<br>40.7 Wh. 100C<br>Wt. w/wire 296/320 g. | Sample complies with EFRA dimensions.<br><br>Wt. w/wire 307.7 g. | 05.01.14      |
| VTEC Nosram   | Nosram X-treme Race<br># 999510   |  | Nosram<br>LiPo 2S 7.4v.<br>42.9 Wh. 55C<br>Wt. 267/289 g.        | Sample complies with EFRA dimensions.<br><br>Wt. 279.4 g.        | 05.01.14      |
| Pro Models BVBA   | Corally<br># 48260                |  | Corally<br>LiPo 2S 7.4v.<br>42.9 Wh. 90C<br>Wt. 264/286 g.       | Sample complies with EFRA dimensions.<br><br>Wt. 266.3 g.        | 05.01.14      |

|                                   |   |   |  |   |          |
|-----------------------------------|---|---|--|---|----------|
| ProTek RC                         | ProTek RC<br>#<br>PTK LPH<br>2S100 SP     |     | ProTek<br>LiPo 2S 7.4v.<br>40.7 Wh. 100C<br>Wt. 274/296 g.                 | Sample complies with<br>EFRA dimensions.<br><br>Wt. 282.1 g.        | 05.01.14 |
| Tianco                            | ORCA<br>Infinite<br># OB6090SP            |    | Orca<br>LiPo 2S 7.4v.<br>22.2 (x2) Wh. 90C<br>Wt. 269/291 g.               | Sample complies with<br>EFRA dimensions.<br><br>Wt. 283.3 g.        | 05.01.14 |
| Trinity<br>Revtech<br>Epic        | RevTech<br>FormulaX<br># REV2023-5        |    | Revtech<br>LiPo 2S 7.4v.<br>46.25 Wh. 100C<br>Wt. 260/282 g.<br>5mm. Tubes | Sample complies with<br>EFRA dimensions.<br><br>Wt. 270.8 g.        | 05.01.14 |
| Xcite RC                          | Xcite Energy<br>XXL<br># 56600106         |    | Xcite<br>LiPo 2S 7.4v.<br>44.4 Wh. 80C<br>Wt. 274/296 g.                   | Sample complies with<br>EFRA dimensions.<br><br>Wt. 279.2 g.        | 05.01.14 |
| Italtrading                       | EZ-Power<br>#<br>EZP6000/1+1              |    | Ital<br>LiPo 2S 7.4v.<br>44.4 Wh. 60C<br>Wt. 267/289 g.                    | Sample complies with<br>EFRA dimensions.<br><br>Wt. 277.4 g.        | 05.01.14 |
| nVision                           | nVision<br># NVO 1122                     |   | nVision<br>LiPo 2S 7.4v.<br>40.7 Wh. 100C<br>Wt. 274/296 g.                | Sample complies with<br>EFRA dimensions.<br><br>Wt. 284.6 g.        | 05.01.14 |
| nVision                           | nVision<br># NVO 1123                     |  | nVision<br>LiPo 2S 7.4v.<br>40.7 Wh. 100C<br>Wt. w/wire 282/306 g.         | Sample complies with<br>EFRA dimensions.<br><br>Wt. w/wire 293.2 g. | 05.01.14 |
| RC<br>Industries<br>Int.          | Pro Amps<br>#<br>PA60552SSA               |  | Pro Amps<br>LiPo 2S 7.4v.<br>40.7 Wh. 60C<br>Wt. 252/274 g.                | Sample complies with<br>EFRA dimensions.<br><br>Wt. 262.1 g.        | 05.01.14 |
| Shanghai<br>Dualsky               | Track &<br>Field<br># 33864               |  | Dualsky<br>LiPo 2S 7.4v.<br>39.2 Wh. 70C<br>Wt. 259/281 g.                 | Sample complies with<br>EFRA dimensions.<br><br>Wt. 270.4 g.        | 05.01.14 |
| Shenzhen<br>Acepow<br>Electronics | Gens ace<br>#<br>B50C57002S3<br>Psaddle12 |  | Acepow<br>LiPo 2S 7.4v.<br>42.2 Wh. 50C<br>Wt. 274/296 g.                  | Sample complies with<br>EFRA dimensions.<br><br>Wt. 285.3 g.        | 05.01.14 |

**BATTERIES BELOW THIS LEVEL WERE APPROVED BY EFRA FOR 2013 AND ARE ALLOWED AT ALL 2014 EVENTS.**


|                   |                                  |   |  |  |          |
|-------------------|----------------------------------|---|--|--|----------|
| Arrowind<br>Hobby | Black Magic<br># BM A35<br>4802S |  | Arrowind Hobby<br>LiPo 2S 7.4v.<br>17.76 Wh. (x2) 35C<br>Wt. 242/262 g<br>Also in Carbon/F finish. | Complies with EFRA.<br>specified dimensions.<br><br>Wt. 254.3 g. | 02.01.13 |
| Arrowind<br>Hobby | Black Magic<br># BM A99<br>5002S |  | Arrowind Hobby<br>LiPo 2S 7.4v.<br>18.5 Wh. (x2) 99C<br>Wt. 248/268 g.<br>Also in Carbon/F finish. | Complies with EFRA.<br>specified dimensions.<br><br>Wt. 258.7 g. | 02.01.13 |

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| Associated<br>Electrics  | Reedy<br># 310                                 |     | Reedy<br>LiPo 2S 7.4v.<br>21.0 Wh. (x2) 65C<br>Wt. 257/278 g.       | Complies with EFRA.<br>specified dimensions.<br><br>Wt. 267.1 g.                      | 02.01.13 |
| Intellect<br>Battery   | IP<br># TP2S6000V8                             |    | Intellect<br>LiPo 2S 7.4v.<br>22.0 Wh. (x2) 80C<br>Wt. 274/297 g.   | Complies with EFRA.<br>specified dimensions.<br><br>Wt. 286.7 g.                      | 02.01.13 |
| VTEC   | VTEC<br># 430203                               |    | LRP<br>LiPo 2S 7.4v.<br>42.9 Wh. 55C<br>Wt. 269/291 g.              | Complies with EFRA.<br>specified dimensions.<br><br>Wt. 282.8 g.                      | 02.01.13 |
| Modern<br>Creations  | Team<br>Silverback<br>Venus<br>#<br>5600752SSP |    | Team Silverback<br>LiPo 2S 7.4v.<br>41.44 Wh. 75C<br>Wt. 254/275 g. | Complies with EFRA.<br>specified dimensions.<br><br>Wt. 271.1 g.                      | 02.01.13 |
| VTEC   | Nosram<br>X-treme Race<br># 999503             |    | Nosram<br>LiPo 2S 7.4v.<br>42.9 Wh. 55C<br>Wt. 269/291 g.           | Complies with EFRA.<br>specified dimensions.<br><br>Wt. 282.8 g.                      | 02.01.13 |
| Vampire<br>Racing  | Vampire<br># VR-1024                           |    | Vampire<br>LiPo 2S 7.4v.<br>20.0 Wh. (x2) 70C<br>Wt. 278/301 g.     | Complies with EFRA.<br>specified dimensions.<br>Has chassis locations<br>Wt. 286.8 g. | 02.01.13 |
| Vapex<br>Technology  | VP Racing<br># VP95088                         |  | Vapex<br>LiPo 2S 7.4v.<br>48.0 Wh. 65C<br>Wt. 280/303 g.            | Complies with EFRA.<br>specified dimensions.<br><br>Wt. 292.0 g.                      | 02.01.13 |
| Acorn<br>Innovations   | Acorn Mad<br>Series<br># 1611626               |  | Acorn<br>LiPo 2S 7.4v.<br>20.0 Wh. (x2) 70C<br>Wt. 253/274 g.       | Complies with EFRA.<br>specified dimensions.<br><br>Wt. 264.0 g.                      | 02.01.13 |
| HUECO<br>Handels   | H-Speed<br># HSP-0010                          |  | H-Speed<br>LiPo 2S 7.4v.<br>41.0 Wh. 60C<br>Wt. 288/312 g.          | Complies with EFRA.<br>specified dimensions.<br><br>Wt. 286.2 g.                      | 02.01.13 |
| Shanghai<br>Dualsky  | Track &<br>Field<br># 33864                    |  | Dualsky<br>LiPo 2S 7.4v.<br>39.2 Wh. 70C<br>Wt. 259/281 g.          | Complies with EFRA.<br>specified dimensions.<br><br>Wt. 269.2 g.                      | 02.01.13 |
| Shenzhen<br>Acepow<br>Electronics  | Gens ace<br>#<br>B25C51001S3<br>PS12           |  | Acepow<br>LiPo 2S 7.4v.<br>18.9 Wh. (x2) 25C<br>Wt. 280/303 g.      | Complies with EFRA.<br>specified dimensions.<br><br>Wt. 289.8 g.                      | 02.01.13 |
| <b>BATTERIES BELOW THIS LEVEL WERE APPROVED BY EFRA FOR 2012 AND ARE ALLOWED AT ALL 2014 EVENTS.</b> |  |   |   |   |          |
| Advanced<br>Energy   | Thunder<br>Power RC<br># TP5000-<br>2SPR65S    |  | Thunder Power<br>LiPo 2S 7.4v.<br>37.0 Wh. 65C<br>Wt. 278/302 g.    | Length: 138.22 mm.<br>Width: 46.46 mm.<br>High: 25.09 mm.<br>Wt. 288.2 g.             | 02.01.12 |

|                             |                                |   |   |  |          |
|-----------------------------|--------------------------------|---|---|--|----------|
| Hacker Motor                | Hacker Top Fuel<br># 75000278  |   | Hacker<br>LiPo 2S 7.4v.<br>40.7 Wh. 90C.<br>Wt. 269/291 g.    | Length: 138.23 mm.<br>Width: 46.64 mm.<br>High: 24.43 mm.<br>Wt. 281.4 g.                          | 02.01.12 |
| VTEC                        | VTEC<br># 79844                |  | LRP<br>LiPo 2S 7.4v.<br>41.5 Wh. 55C<br>Wt. 276/298 g.        | Length: 137.46 mm.<br>Width: 46.21 mm.<br>High: 24.77 mm.<br>Wt. 276.3 g.<br>Has chassis location. | 02.01.12 |
| VTEC                        | Nosram X-treme Race<br># 99941 |  | Nosram<br>LiPo 2S 7.4v.<br>41.5 Wh. 55C<br>Wt. 276/298 g.     | Length: 137.44 mm.<br>Width: 46.26 mm.<br>High: 24.73 mm.<br>Wt. 277.6 g.<br>Has chassis location. | 02.01.12 |
| Robitronic Electronic       | Robitronic<br># RO5246         |  | Robitronic<br>LiPo 2S 7.4v.<br>37.0 Wh. 70C<br>Wt. 276/299 g. | Length: 137.76 mm.<br>Width: 45.45 mm.<br>High: 24.88 mm.<br>Wt. 288.6 g.                          | 02.01.12 |
| Shenzhen Acepow Electronics | Gens ace<br># ACE25-4800-0203B |  | Acepow<br>LiPo 2S 7.4v.<br>35.5 Wh. 25C<br>Wt. 269/291 g.     | Length: 138.32 mm.<br>Width: 46.79 mm.<br>High: 24.80 mm.<br>Wt. 280.3 g.                          | 02.01.12 |
| Vapex Technology            | VP Racing<br># VP94449         |  | Vapex<br>LiPo 2S 7.4v.<br>44.5 Wh. 50C<br>Wt. 290/314 g.      | Length: 137.96 mm.<br>Width: 46.07 mm.<br>High: 24.47 mm.<br>Wt. 302.2 g.                          | 02.01.12 |

**BATTERIES BELOW THIS LEVEL WERE APPROVED BY EFRA FOR 2011 AND ARE ALLOWED AT ALL 2014 EVENTS.**

|                      |                              |   |  |   |            |
|----------------------|------------------------------|---|--|---|------------|
| Associated Electrics | Reedy<br># 627               |  | Reedy<br>LiPo 2S 7.4v.<br>5200 mah. 60C<br>Wt. 286/310 g.    | Length: 137.92 mm.<br>Width: 46.66 mm.<br>High: 25.08 mm.<br>Wt. 298.5 g. | 02.01.2011 |
| Bionic Batteries     | Bionic<br># BCS40-4800-SAD   |  | Bionic<br>LiPo 2S 7.4v.<br>4800 mah. 40C<br>Wt. 280/304 g.   | Length: 137.50 mm.<br>Width: 46.47 mm.<br>High: 23.64 mm.<br>Wt. 291.4 g. | 02.01.2011 |
| Bionic Batteries     | Bionic<br># BCS50-5000-SAD   |  | Bionic<br>LiPo 2S 7.4v.<br>5000 mah. 50C<br>Wt. 288/312 g.   | Length: 137.50 mm.<br>Width: 46.37 mm.<br>High: 24.92 mm.<br>Wt. 301.2 g. | 02.01.2011 |
| CS-Electronic        | CS Professional<br># C211019 |  | CS<br>LiPo 2S 7.4v.<br>19.2 Wh x 2 50C<br>Wt. 264/286 g      | Length: 137.21 mm.<br>Width: 46.48 mm.<br>High: 24.75 mm.<br>Wt. 268.9 g  | 02.01.2011 |
| Graupner             | GM V-MAXX<br># 99009         |  | GM<br>LiPo 2S 7.4v.<br>5600 mah. 60C.<br>Wt. 274/296 g.      | Length: 137.43 mm.<br>Width: 46.07 mm.<br>High: 24.68 mm.<br>Wt. 280.5 g. | 02.01.2011 |
| Intellect Battery    | IP<br># TP2S5400V6           |  | Intellect<br>LiPo 2S 7.4v.<br>5400 mah. 60C<br>Wt. 274/296 g | Length: 137.98 mm.<br>Width: 46.24 mm.<br>High: 24.98 mm.<br>Wt. 283.5 g  | 02.01.2011 |

|                           |                                    |   |  |  |            |
|---------------------------|------------------------------------|---|--|--|------------|
| Robitronic Electronic     | Robitronic<br># RO5242             |     | Robitronic<br>LiPo 2S 7.4v.<br>5200 ?? 60C<br>Wt. 284/308 g    | Length: 137.46 mm.<br>Width: 46.40 mm.<br>High: 24.71 mm.<br>Wt. 294.8 g         | 02.01.2011 |
| Superior Matching Concept | SMC<br>C-Max<br># 5260SP           |    | SMC<br>LiPo 2S 7.4v.<br>5200 mah. 60C<br>Wt. 260/282 g.        | Length: 138.74 mm.<br>Width: 46.42 mm.<br>High: 24.36 mm.<br>Wt. 273.4 g.        | 02.01.2011 |
| Team ORION                | ORION<br>Carbon Pro<br># ORI14048  |    | Orion<br>LiPo 2S 7.4v.<br>40.7 Wh. 90C<br>Wt. 266/288 g.       | Length: 138.10 mm.<br>Width: 46.57 mm.<br>High: 23.73 mm.<br>Wt. 278.0 g.        | 02.01.2011 |
| Team ORION                | ORION<br>Carbon Pro<br># ORI14049  |    | Orion<br>LiPo 2S 7.4v.<br>40.7 Wh. 90C<br>Wt. w/wire 297/321 g | Length: 138.51 mm.<br>Width: 46.84 mm.<br>High: 24.52 mm.<br>Wt. w/wire 310.0 g. | 02.01.2011 |
| nVision                   | nVision<br># NV1102                |    | nVision<br>LiPo 2S 7.4v.<br>5500 mah. 90C<br>Wt. 266/288 g.    | Length: 138.01 mm.<br>Width: 46.66 mm.<br>High: 23.94 mm.<br>Wt. 281.0 g.        | 02.01.2011 |
| Tianco                    | ORCA<br>Infinite<br># OB5235IS     |   | Tianco<br>LiPo 2S 7.4v.<br>5200 mah. 45C<br>Wt. 274/296 g.     | Length: 137.41 mm.<br>Width: 46.22 mm.<br>High: 24.95 mm.<br>Wt. 277.3 g.        | 02.01.2011 |
| Vampire Racing            | Vampire<br># VR-1017               |  | Vampire<br>LiPo 2S 7.4v.<br>5400 mah. 60C<br>Wt. 274/296 g.    | Length: 137.28 mm.<br>Width: 46.15 mm.<br>High: 24.93 mm.<br>Wt. 280.6 g.        | 02.01.2011 |
| Vapex Tech.               | VP<br># VP93671                    |  | Vapex<br>LiPo 2S 7.4v.<br>5400 mah. 50C<br>Wt. 268/290 g.      | Length: 137.84 mm.<br>Width: 46.27 mm.<br>High: 24.92 mm.<br>Wt. 268.3 g.        | 02.01.2011 |
| RC Plus                   | Python Plus<br># RC-PPC40-4800-SAD |  | RC Plus<br>LiPo 2S 7.4v.<br>4800 mah. 40C<br>Wt. 280/304 g.    | Length: 137.69 mm.<br>Width: 46.48 mm.<br>High: 23.80 mm.<br>Wt. 289.2 g.        | 02.01.2011 |
| RC Plus                   | Python Plus<br># RC-PPC50-5000-SAD |  | RC Plus<br>LiPo 2S 7.4v.<br>5000 mah. 50C<br>Wt. 288/312 g.    | Length: 137.69 mm.<br>Width: 46.25 mm.<br>High: 24.83 mm.<br>Wt. 300.6 g.        | 02.01.2011 |
| Xcelorin                  | Xcelorin<br># LOSB9878             |  | SMC<br>LiPo 2S 7.4v.<br>5200 mah. 60C<br>Wt. 265/287 g.        | Length: 138.14 mm.<br>Width: 46.18 mm.<br>High: 24.59 mm.<br>Wt. 272.4 g.        | 02.01.2011 |