



APPROVED 2S. 'SADDLE' Lithium (LiPo) BATTERY LIST. 2013.


Only Batteries detailed below 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 2013 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
BATTERIES BELOW THIS LEVEL ARE APPROVED BY EFRA FOR 2013 AND ARE ALLOWED AT 2013 EVENTS FROM 01.04.13.					
Arrowind Hobby	Black Magic # BM A35 4802S		Arrowind Hobby LiPo 2S 7.4v. 17.76 Wh. (x2) 35C Wt. 242/262 g Also in Carbon/F finish.	Complies with EFRA. specified dimensions. Wt. 254.3 g.	02.01.13
Arrowind Hobby	Black Magic # BM A99 5002S		Arrowind Hobby LiPo 2S 7.4v. 18.5 Wh. (x2) 99C Wt. 248/268 g. Also in Carbon/F finish.	Complies with EFRA. specified dimensions. Wt. 258.7 g.	02.01.13
Associated Electrics	Reedy # 310		Reedy LiPo 2S 7.4v. 21.0 Wh. (x2) 65C Wt. 257/278 g.	Complies with EFRA. specified dimensions. Wt. 267.1 g.	02.01.13
Intellect Battery	IP # TP2S6000V8		Intellect LiPo 2S 7.4v. 22.0 Wh. (x2) 80C Wt. 274/297 g.	Complies with EFRA. specified dimensions. Wt. 286.7 g.	02.01.13
VTEC	VTEC # 430203		LRP LiPo 2S 7.4v. 42.9 Wh. 55C Wt. 269/291 g.	Complies with EFRA. specified dimensions. Wt. 282.8 g.	02.01.13
Modern Creations	Team Silverback Venus # 5600752SSP		Team Silverback LiPo 2S 7.4v. 41.44 Wh. 75C Wt. 254/275 g.	Complies with EFRA. specified dimensions. Wt. 271.1 g.	02.01.13
VTEC	Nosram X-treme Race # 999503		Nosram LiPo 2S 7.4v. 42.9 Wh. 55C Wt. 269/291 g.	Complies with EFRA. specified dimensions. Wt. 282.8 g.	02.01.13
Vampire Racing	Vampire # VR-1024		Vampire LiPo 2S 7.4v. 20.0 Wh. (x2) 70C Wt. 278/301 g.	Complies with EFRA. specified dimensions. Has chassis locations Wt. 286.8 g.	02.01.13
Vapex Technology	VP Racing # VP95088		Vapex LiPo 2S 7.4v. 48.0 Wh. 65C Wt. 280/303 g.	Complies with EFRA. specified dimensions. Wt. 292.0 g.	02.01.13

Acorn Innovations	Acorn Mad Series # 1611626		Acorn LiPo 2S 7.4v. 20.0 Wh. (x2) 70C Wt. 253/274 g.	Complies with EFRA. specified dimensions. Wt. 264.0 g.	02.01.13
HUECO Handels	H-Speed # HSP-0010		H-Speed LiPo 2S 7.4v. 41.0 Wh. 60C Wt. 288/312 g.	Complies with EFRA. specified dimensions. Wt. 286.2 g.	02.01.13
Shanghai Dualsky	Track & Field # 33864		Dualsky LiPo 2S 7.4v. 39.2 Wh. 70C Wt. 259/281 g.	Complies with EFRA. specified dimensions. Wt. 269.2 g.	02.01.13
Shenzhen Acepow Electronics	Gens ace # B25C51001S3 PS12		Acepow LiPo 2S 7.4v. 18.9 Wh. (x2) 25C Wt. 280/303 g.	Complies with EFRA. specified dimensions. Wt. 289.8 g.	02.01.13

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Advanced Energy	Thunder Power RC # TP5000-2SPR65S		Thunder Power LiPo 2S 7.4v. 37.0 Wh. 65C Wt. 278/302 g.	Length: 138.22 mm. Width: 46.46 mm. High: 25.09 mm. Wt. 288.2 g.	02.01.12
Hacker Motor	Hacker Top Fuel # 75000278		Hacker LiPo 2S 7.4v. 40.7 Wh. 90C. Wt. 269/291 g.	Length: 138.23 mm. Width: 46.64 mm. High: 24.43 mm. Wt. 281.4 g.	02.01.12
VTEC	VTEC # 79844		LRP LiPo 2S 7.4v. 41.5 Wh. 55C Wt. 276/298 g.	Length: 137.46 mm. Width: 46.21 mm. High: 24.77 mm. Wt. 276.3 g. Has chassis location.	02.01.12
VTEC	Nosram X-treme Race # 99941		Nosram LiPo 2S 7.4v. 41.5 Wh. 55C Wt. 276/298 g.	Length: 137.44 mm. Width: 46.26 mm. High: 24.73 mm. Wt. 277.6 g. Has chassis location.	02.01.12
Robitronic Electronic	Robitronic # RO5246		Robitronic LiPo 2S 7.4v. 37.0 Wh. 70C Wt. 276/299 g.	Length: 137.76 mm. Width: 45.45 mm. High: 24.88 mm. Wt. 288.6 g.	02.01.12
Shenzhen Acepow Electronics	Gens ace # ACE25-4800-0203B		Acepow LiPo 2S 7.4v. 35.5 Wh. 25C Wt. 269/291 g.	Length: 138.32 mm. Width: 46.79 mm. High: 24.80 mm. Wt. 280.3 g.	02.01.12
Vapex Technology	VP Racing # VP94449		Vapex LiPo 2S 7.4v. 44.5 Wh. 50C Wt. 290/314 g.	Length: 137.96 mm. Width: 46.07 mm. High: 24.47 mm. Wt. 302.2 g.	02.01.12



BATTERIES BELOW THIS LEVEL WERE APPROVED BY EFRA FOR 2011 AND ARE ALLOWED AT ALL 2013 EVENTS.





Associated Electrics	Reedy # 627		Reedy LiPo 2S 7.4v. 5200 mah. 60C Wt. 286/310 g.	Length: 137.92 mm. Width: 46.66 mm. High: 25.08 mm. Wt. 298.5 g.	02.01.2011
Bionic Batteries	Bionic # BCS40- 4800-SAD		Bionic LiPo 2S 7.4v. 4800 mah. 40C Wt. 280/304 g.	Length: 137.50 mm. Width: 46.47 mm. High: 23.64 mm. Wt. 291.4 g.	02.01.2011
Bionic Batteries	Bionic # BCS50- 5000-SAD		Bionic LiPo 2S 7.4v. 5000 mah. 50C Wt. 288/312 g.	Length: 137.50 mm. Width: 46.37 mm. High: 24.92 mm. Wt. 301.2 g.	02.01.2011
CS- Electronic	CS Professional # C211019		CS LiPo 2S 7.4v. 19.2 Wh x 2 50C Wt. 264/286 g	Length: 137.21 mm. Width: 46.48 mm. High: 24.75 mm. Wt. 268.9 g	02.01.2011
Graupner	GM V-MAXX # 99009		GM LiPo 2S 7.4v. 5600 mah. 60C. Wt. 274/296 g.	Length: 137.43 mm. Width: 46.07 mm. High: 24.68 mm. Wt. 280.5 g.	02.01.2011
Intellect Battery	IP # TP2S5400V6		Intellect LiPo 2S 7.4v. 5400 mah. 60C Wt. 274/296 g	Length: 137.98 mm. Width: 46.24 mm. High: 24.98 mm. Wt. 283.5 g	02.01.2011
Robitronic Electronic	Robitronic # RO5242		Robitronic LiPo 2S 7.4v. 5200 ?? 60C Wt. 284/308 g	Length: 137.46 mm. Width: 46.40 mm. High: 24.71 mm. Wt. 294.8 g	02.01.2011
Superior Matching Concept	SMC C-Max # 5260SP		SMC LiPo 2S 7.4v. 5200 mah. 60C Wt. 260/282 g.	Length: 138.74 mm. Width: 46.42 mm. High: 24.36 mm. Wt. 273.4 g.	02.01.2011
Team ORION	ORION Carbon Pro # ORI14048		Orion LiPo 2S 7.4v. 40.7 Wh. 90C Wt. 266/288 g.	Length: 138.10 mm. Width: 46.57 mm. High: 23.73 mm. Wt. 278.0 g.	02.01.2011
Team ORION	ORION Carbon Pro # ORI14049		Orion LiPo 2S 7.4v. 40.7 Wh. 90C Wt. w/wire 297/321 g	Length: 138.51 mm. Width: 46.84 mm. High: 24.52 mm. Wt. w/wire 310.0 g.	02.01.2011
nVision	nVision # NV1102		nVision LiPo 2S 7.4v. 5500 mah. 90C Wt. 266/288 g.	Length: 138.01 mm. Width: 46.66 mm. High: 23.94 mm. Wt. 281.0 g.	02.01.2011
Tianco	ORCA Infinite # OB5235IS		Tianco LiPo 2S 7.4v. 5200 mah. 45C Wt. 274/296 g.	Length: 137.41 mm. Width: 46.22 mm. High: 24.95 mm. Wt. 277.3 g.	02.01.2011

Vampire Racing	Vampire # VR-1017		Vampire LiPo 2S 7.4v. 5400 mah. 60C Wt. 274/296 g.	Length: 137.28 mm. Width: 46.15 mm. High: 24.93 mm. Wt. 280.6 g.	02.01.2011
Vapex Tech.	VP # VP93671		Vapex LiPo 2S 7.4v. 5400 mah. 50C Wt. 268/290 g.	Length: 137.84 mm. Width: 46.27 mm. High: 24.92 mm. Wt. 268.3 g.	02.01.2011
RC Plus	Python Plus # RC-PPC40-4800-SAD		RC Plus LiPo 2S 7.4v. 4800 mah. 40C Wt. 280/304 g.	Length: 137.69 mm. Width: 46.48 mm. High: 23.80 mm. Wt. 289.2 g.	02.01.2011
RC Plus	Python Plus # RC-PPC50-5000-SAD		RC Plus LiPo 2S 7.4v. 5000 mah. 50C Wt. 288/312 g.	Length: 137.69 mm. Width: 46.25 mm. High: 24.83 mm. Wt. 300.6 g.	02.01.2011
Xcelorin	Xcelorin # LOSB9878		SMC LiPo 2S 7.4v. 5200 mah. 60C Wt. 265/287 g.	Length: 138.14 mm. Width: 46.18 mm. High: 24.59 mm. Wt. 272.4 g.	02.01.2011







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VTEC	LRP Competition car line. # 79878		LRP LiPo 2S 7.4v. 5000. 50C	Length: 138.74 mm. Width: 46.29 mm. High: 24.83 mm. Wt. 262.8 g Has chassis location.	17.01.2010
ORION	ORION Carbon. # ORI14014		Orion LiPo 2S 7.4v. 4500. 45C	Length: 138.33 mm. Width: 46.66 mm. High: 24.61 mm. Wt. 274.2 g.	17.01.2010
ORION	ORION Carbon # ORI14015		Orion LiPo 2S 7.4v. 4500 45C	Length: 137.80 mm. Width: 46.58 mm. High: 24.91 mm. Wt. inc. wire 300.8 g	17.01.2010
Graupner	GM V-MAXX # 99001		GM LiPo 2S 7.4v. 5200 mah. 35C 1 off tube 3.5mm. Case Black or C/Fibre.	Length: 137.32 mm. Width: 46.16 mm. High: 22.76 mm. Wt. 258.0 g	17.01.2010
Graupner	GM V-MAXX # 98993		GM LiPo 2S 7.4v. 5200 mah. 45C 4.0mm Tubes. Case Black or C/Fibre.	Length: 137.32 mm. Width: 46.27 mm. High: 24.79 mm. Wt. 276.4 g	17.01.2010
Graupner	GM V-MAXX # 98996		GM LiPo 2S 7.4v. 5200 mah. 45C 1 off Tube 3.5mm. Case Black or C/Fibre.	Length: 137.34 mm. Width: 46.28 mm. High: 24.73 mm. Wt. 277.1 g	17.01.2010
Robitronic Electronic	Robitronic # RO5217		Robitronic LiPo 2S 7.4v. 4500. 50C	Length: 137.99 mm. Width: 46.52 mm. High: 23.60 mm. Wt. 273.8 g	17.01.2010

Robitronic Electronic	Robitronic # RO5218		Robitronic LiPo 2S 7.4v. 5000. 50C	Length: 137.61 mm. Width: 46.28 mm. High: 24.97 mm. Wt. 294.6 g	17.01.2010
Associated Electrics	Reedy # 686		Reedy LiPo 2S 7.4v. 4200 mah. 40C	Length: 137.34 mm. Width: 46.94 mm. High: 23.16 mm. Wt. inc. wire 267.6 g	17.01.2010
Desire Power	Desire Power V6 # DPC5000XP40		Desire Power LiPo 2S 7.4v. 5000 mah. 40C	Length: 138.94 mm. Width: 46.41 mm. High: 24.75 mm. Wt. 268.2 g	17.01.2010
Intellect Battery	IP # TP2S5000V3		IP LiPo 2S 7.4v. 5000 mah. 35C	Length: 137.78 mm. Width: 46.30 mm. High: 22.82 mm. Wt. 258.3 g	17.01.2010
Intellect Battery	IP # TP2S5200V4		IP LiPo 2S 7.4v. 5200 mah. 45C	Length: 137.44 mm. Width: 46.26 mm. High: 24.80 mm. Wt. 276.2 g	17.01.2010
Muchmore	Impact # MLI-IS5000A		Muchmore LiPo 2S 7.4v. 5000 35C	Length: 137.34 mm. Width: 46.20 mm. High: 22.84 mm. Wt. 258.9 g	17.01.2010
Muchmore	Impact # MLI-IS5200B		Muchmore LiPo 2S 7.4v. 5200 45C	Length: 137.40 mm. Width: 46.28 mm. High: 24.82 mm. Wt. 275.8 g	17.01.2010
Yuntong	Yuntong # YT90093		Yuntong LiPo 2S 7.4v. 4500 mah. 50C	Length: 137.58 mm. Width: 44.78 mm. High: 23.42 mm. Wt. 273.9 g	17.01.2010
Yuntong	Yuntong # YT90109		Yuntong LiPo 2S 7.4v. 5000 mah. 50C	Length: 137.71 mm. Width: 46.34 mm. High: 24.98 mm. Wt. 295.9 g	17.01.2010
Bionic Batteries	Bionic # BCS40-4500-SAD		Bionic LiPo 2S 7.4v. 4500 mah. 40C	Length: 138.62 mm. Width: 46.66 mm. High: 24.58 mm. Wt. 272.0 g	17.01.2010
CS-Electronic	CS-Factory Professional # C211013		CS LiPo 2S 7.4v. 5200 50C	Length: 137.69 mm. Width: 46.27 mm. High: 24.98 mm. Wt. 299.0 g	17.01.2010
VTEC	Nosram X-Treme Race # 99948		Nosram LiPo 2S 7.4v. 5000 50C	Length: 138.96 mm. Width: 46.42 mm. High: 24.85 mm. Wt. 263.4 g Has chassis location	17.01.2010

Moore Speed	Moore-speed # MS-B7405		Moore-speed LiPo 2S 7.4v. 4600 mah. 50C	Length: 138.04 mm. Width: 46.49 mm. High: 24.65 mm. Wt. 273.9 g	17.01.2010
Moore Speed	Moore-speed # MS-B7406		Moore-speed LiPo 2S 7.4v. 4600 mah. 50C	Length: 137.78 mm. Width: 46.49 mm. High: 24.67 mm. Wt. inc. wire 298.7 g	17.01.2010
Vampire Racing	Vampire # VR-1012		Vampire LiPo 2S 7.4v. 4400 mah. 40C	Length: 136.96 mm. Width: 46.06 mm. High: 22.79 mm. Wt. 231.4 g	17.01.2010
Vapex	VP # VP654358SH 30C-3P		Vapex LiPo 2S 7.4v. 4500 mah. 30C	Length: 137.09 mm. Width: 46.27 mm. High: 23.70 mm. Wt. 235.9 g	17.01.2010

BATTERIES BELOW THIS LEVEL WERE APPROVED BY EFRA FOR 2009 AND ARE ALLOWED AT ALL 2013 EVENTS.

VTEC	LRP Competition car line. # 79866		LRP LiPo 2S 7.4v. 4800. 40C Saddle Pack	Length: 138.73 mm. Width: 46.09 mm. High: 23.48 mm. Wt. 249.3 g Has chassis location.	16.02.2009
GM Racing	GM V-MAXX # 98994		GM LiPo 2S2P 7.4v. 4200 mah. 30C Saddle Pack	Length: 137.13 mm. Width: 46.14 mm. High: 22.74 mm. Wt. 230.6 g	16.02.2009
GM Racing	GM V-MAXX # 98988		GM LiPo 2S3P 7.4v. 4200 mah. 35C Saddle Pack	Length: 137.08 mm. Width: 46.43 mm. High: 23.36 mm. Wt. inc. wire 279.4 g	16.02.2009
Hyperion HK	Swift #HPSW304200		Swift LiPo 2S 7.4v. 4200 mah. 30C Saddle Pack	Length: 137.15 mm. Width: 46.12 mm. High: 22.80 mm. Wt. 231.5 g	16.02.2009
Robitronic Electronic	Robitronic # RO5213		Robitronic LiPo 2S2P 7.4v. 4600 35C Saddle Pack	Length: 137.60 mm. Width: 44.81 mm. High: 23.30 mm. Wt. 283.0 g	16.02.2009
Robitronic Electronic	Robitronic # RO5214		Robitronic LiPo 2S2P 7.4v. 5000 25C Saddle Pack	Length: 137.31 mm. Width: 44.83 mm. High: 23.37 mm. Wt. 276.0 g	16.02.2009
Speedpower	Speedpower #SLR423HS		Speedpower LiPo 2S 7.4v. 4200 mah. 30C Saddle Pack	Length: 137.09 mm. Width: 46.14 mm. High: 23.03 mm. Wt. inc. wire 232.2 g	16.02.2009
TrakPower	TrakPower # TP32002SSP		TrakPower LiPo 2S 7.4v. 3200 mah. 20C Also EFRA label. 2009 Revised version	Length: 137.52 mm. Width: 46.87 mm. High: 21.24 mm. Wt. 188.0 g	16.02.2009

Associated Electrics	Reedy # 712		Reedy LiPo 2S 7.4v. 4200 mah. 35C Saddle Pack	Length: 137.62 mm. Width: 46.74 mm. High: 23.22 mm. Wt. inc. wire 283.5 g	16.02.2009
Corally	Corally # 48243		Corally LiPo 2S 7.4v. 4200 mah. 35C Saddle Pack	Length: 137.10 mm. Width: 46.52 mm. High: 23.35 mm. Wt. inc. wire 277.5 g	16.02.2009
Intellect Battery	IP # TP2S4200V1		Intellect LiPo 2S 7.4v. 4200 mah. 30C Saddle Pack	Length: 137.07 mm. Width: 46.08 mm. High: 22.81 mm. Wt. 230.5 g	16.02.2009
Vampire Racing	Vampire # VR-1007		Vampire LiPo 2S 7.4v. 4400 mah. 30C Saddle Pack	Length: 137.07 mm. Width: 46.13 mm. High: 22.81 mm. Wt. 231.2 g	16.02.2009
Yuntong	Yuntong # YT90071		Yuntong LiPo 2S 7.4v. 4600 mah. 35C Saddle Pack	Length: 137.55 mm. Width: 45.00 mm. High: 23.34 mm. Wt. 282.2 g	16.02.2009

Paul Worsley. (EFRA Battery Homologation Officer) Updated 02.01.13. (Seven Pages).