



## APPROVED 1S 'STICK' 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 1S LiPo compatible charger.** It is advisable to restrict charge rates to 1C. **It is strictly NOT ALLOWED, to charge 1S LiPo Batteries to give an output voltage exceeding 4.20v. 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 2013 AND ARE ALLOWED AT 2013 EVENTS FROM 01.03.13.</b>					
Advanced Energy	Thunder Power RC # TP6800-1SAE65		Thunder Power LiPo 1S 3.7v. 25.2 Wh. 65C Wt. 143/155 g.	Complies with EFRA. specified dimensions.  Wt. 149.3 g.	02.01.13
Associated Electrics	Reedy # 603		Reedy LiPo 1S 3.7v. 25.0 Wh. 65C Wt. 142/154 g.	Complies with EFRA. specified dimensions.  Wt. 147.5 g.	02.01.13
Intellect Battery	IP # CC1S6600V8		Intellect LiPo 1S 3.7v. 24.0 Wh. 80C Wt. 142/154 g.	Complies with EFRA. specified dimensions.  Wt. 148.1 g.	02.01.13
King Golden	Speedpower # SF000009		King Golden LiPo 1S 3.7v. 20.05 Wh. 70C Wt. 141/153 g.	Complies with EFRA. specified dimensions.  Wt. 147.5 g.	02.01.13
VTEC	VTEC # 430202		LRP LiPo 1S 3.7v. 25.5 Wh. 50C Wt. 144/156 g.	Complies with EFRA. specified dimensions.  Wt. 150.5 g.	02.01.13
Modern Creations	Team Silverback Venus # 7000751SIN		Team Silverback LiPo 1S 3.7v. 25.9 Wh. 75C Wt. 146/158 g.	Complies with EFRA. specified dimensions.  Wt. 152.3 g.	02.01.13
VTEC	Nosram X-treme Race # 999502		Nosram LiPo 1S 3.7v. 25.5 Wh. 50C Wt. 144/156 g.	Complies with EFRA. specified dimensions.  Wt. 151.4 g.	02.01.13
Tianco	ORCA Infinite # OB6581S4		Tianco LiPo 1S 3.7v. 24.0 Wh. 80C Wt. 142/154 g.	Complies with EFRA. specified dimensions.  Wt. 146.9 g.	02.01.13

Vapex Technology	VP Racing # VP95095		Vapex LiPo 1S 3.7v. 25.0 Wh. 65C Wt. 146/158 g.	Complies with EFRA. specified dimensions.  Wt. 152.5 g.	02.01.13
BATTERIES BELOW THIS LEVEL WERE APPROVED BY EFRA FOR 2012 AND ARE ALLOWED AT ALL 2013 EVENTS.					
Advanced Energy	Thunder Power RC # TP5400-1SPR65		Thunder Power LiPo 1S 3.7v. 20.0 Wh. 65C Wt. 141/153 g.	Length: 92.76 mm. Width: 46.69 mm. High: 18.36 mm. Wt. 146.4 g.	02.01.12
Advanced Energy	Thunder Power RC # TP6200-1SAE65		Thunder Power LiPo 1S 3.7v. 23.0 Wh. 65C Wt. 144/156 g.	Length: 92.91 mm. Width: 46.77 mm. High: 18.40 mm. Wt. 146.0 g.	02.01.12
Associated Electrics	Reedy # 600		Reedy LiPo 1S 3.7v. 24.0 Wh. 65C Wt. 150/162 g.	Length: 92.64 mm. Width: 46.53 mm. High: 18.26 mm. Wt. 154.0 g.	02.01.12
Graupner	GM V-MAXX # 99016		GM LiPo 1S 3.7v. 23.7 Wh. 70C Wt. 144/156 g.	Length: 92.83 mm. Width: 46.29 mm. High: 18.16 mm. Wt. 147.3 g.	02.01.12
Intellect Battery	IP # CC1S6400V7		Intellect LiPo 1S 3.7v. 24.0 Wh. 70C Wt. 144/156 g.	Length: 92.84 mm. Width: 46.50 mm. High: 18.19 mm. Wt. 148.5 g.	02.01.12
VTEC	VTEC # 79843		LRP LiPo 1S 3.7v. 23.3 Wh. 55C Wt. 145/157 g.	Length: 92.42 mm. Width: 46.39 mm. High: 17.99 mm. Wt. 149.0 g. Has chassis location.	02.01.12
VTEC	VTEC # 79842		LRP LiPo 1S 3.7v. 25.2 Wh. 50C Wt. 150/162 g.	Length: 92.46 mm. Width: 46.27 mm. High: 18.45 mm. Wt. 153.6 g. Has chassis location.	02.01.12
VTEC	Nosram X-treme Race # 99940		Nosram LiPo 1S 3.7v. 23.3 Wh. 55C Wt. 144/156 g.	Length: 92.56 mm. Width: 46.40 mm. High: 18.08 mm. Wt. 149.1 g. Has chassis location.	02.01.12
VTEC	Nosram X-treme Race # 99939		Nosram LiPo 1S 3.7v. 25.2 Wh. 50C Wt. 152/164 g.	Length: 92.66 mm. Width: 46.37 mm. High: 18.45 mm. Wt. 154.4 g. Has chassis location.	02.01.12
RFI Battery	RFI # 7346		RFI LiPo 1S 3.7v. 21.46 Wh. 60C Wt. 141/153 g.	Length: 92.63 mm. Width: 46.41 mm. High: 18.22 mm. Wt. 153.0 g.	02.01.12
RFI Battery	RFI # 7344		RFI LiPo 1S 3.7v. 22.2 Wh. 45C Wt. 140/152 g.	Length: 92.59 mm. Width: 46.44 mm. High: 18.17 mm. Wt. 150.1 g.	02.01.12

RFI Battery	RFI # 7340		RFI LiPo 1S 3.7v. 22.94 Wh. 30C Wt. 142/154 g.	Length: 92.44 mm. Width: 46.42 mm. High: 18.19 mm. Wt. 151.5 g.	02.01.12
Vapex Technology	VP Racing # VP94319		Vapex LiPo 1S 3.7v. 20.5 Wh. 65C Wt. 145/157 g.	Length: 92.46 mm. Width: 46.41 mm. High: 18.34 mm. Wt. 151.0 g.	02.01.12
Fullymax	Fullymax # FB5600XT-1S2P-C-JC		Fullymax LiPo 1S 3.7v. 20.72 Wh. 55C Wt. 146/158 g. 3.5mm Tubes	Length: 92.78 mm. Width: 46.91 mm. High: 18.36 mm. Wt. 151.4 g.	02.01.12
Tianco	ORCA Infinite # OB6560IS		Tianco LiPo 1S 3.7v. 24.0 Wh. 70C Wt. 144/156 g.	Length: 92.87 mm. Width: 46.36 mm. High: 18.31 mm. Wt. 147.9 g.	02.01.12

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

Advanced Energy	Thunder Power RC # TP5400-1SPR65B		Thunder Power LiPo 1S 3.7v. 5400 mah. 65C Wt. 141/153 g.	Length: 92.95 mm. Width: 46.92 mm. High: 18.44 mm. Wt. 147.3 g.	02.01.2011
Advanced Energy	Thunder Power RC # TP5400-1SPR65D		Thunder Power LiPo 1S 3.7v. 5400 mah. 65C Wt. w/wire 150/162 g.	Length: 92.86 mm. Width: 46.83 mm. High: 18.27 mm. Wt. w/wire 152.4 g.	02.01.2011
Associated Electrics	Reedy # 629		Reedy LiPo 1S 3.7v. 5500 mah. 60C Wt. 150/162 g.	Length: 92.70 mm. Width: 46.50 mm. High: 18.29 mm. Wt. 155.9 g.	02.01.2011
Graupner	GM V-MAXX # 99005		GM LiPo 1S 3.7v. 5800 mah. 60C. Wt. 144/156 g.	Length: 92.80 mm. Width: 46.26 mm. High: 18.17 mm. Wt. 146.8 g.	02.01.2011
Intellect Battery	IP # CC1S6000V6		Intellect LiPo 1S 3.7v. 6000 mah. 60C Wt. 144/156 g.	Length: 92.75 mm. Width: 46.36 mm. High: 18.38 mm. Wt. 147.8 g.	02.01.2011
VTEC	VTEC Competition Car Line # 79887		LRP LiPo 1S 3.7v. 21.5 Wh. 65C Wt. 144/156 g.	Length: 92.30 mm. Width: 46.23 mm. High: 18.24 mm. Wt. 147.4 g. Has chassis location.	02.01.2011
Modern Creations	Team Silverback Sapphire # 5800601SIN		Team Silverback LiPo 1S 3.7v. 5800 mah. 60C Wt. 139/151 g.	Length: 92.79 mm. Width: 46.34 mm. High: 18.14 mm. Wt. 147.5 g.	02.01.2011
VTEC	Nosram X-treme Race # 99952		Nosram LiPo 1S 3.7v. 21.5 Wh. 65C Wt. 144/156 g.	Length: 92.28 mm. Width: 46.23 mm. High: 18.29 mm. Wt. 147.4 g. Has chassis location.	02.01.2011

Robitronic Electronic	Robitronic # RO5243		Robitronic LiPo 1S 3.7v. 5500 ?? 60C Wt. 149/161 g.	Length: 92.95 mm. Width: 46.39 mm. High: 18.39 mm. Wt. 153.5 g.	02.01.2011
Superior Matching Concept	SMC C-Max # 5660SI		SMC LiPo 1S 3.7v. 5600 mah. 60C Wt. 140/152 g.	Length: 92.85 mm. Width: 46.56 mm. High: 18.36 mm. Wt. 144.8 g.	02.01.2011
Superior Matching Concept	SMC Sport Max # 6028SI		SMC LiPo 1S 3.7v. 6000 mah. 28C Wt. 138/150 g.	Length: 92.84 mm. Width: 46.60 mm. High: 18.31 mm. Wt. 145.5 g.	02.01.2011
Team ORION	ORION Carbon Pro # ORI14039		Orion LiPo 1S 3.7v. 23.7 Wh. 90C Wt. 138/150 g.	Length: 92.87 mm. Width: 46.34 mm. High: 18.25 mm. Wt. 144.8 g.	02.01.2011
nVision	nVision # NV1101		nVision LiPo 1S 3.7v. 6400 mah. 90C Wt. 138/150 g.	Length: 92.78 mm. Width: 46.25 mm. High: 18.41 mm. Wt. 147.5 g.	02.01.2011
Tianco	ORCA Infinite # OB6161IS		Tianco LiPo 1S 3.7v. 6000 mah. 60C Wt. 144/156 g.	Length: 92.81 mm. Width: 46.23 mm. High: 18.50 mm. Wt. 147.8 g.	02.01.2011
Vampire Racing	Vampire # VR-1014		Vampire LiPo 1S 3.7v. 5700 mah. 50C Wt. 141/153 g.	Length: 92.71 mm. Width: 46.23 mm. High: 18.40 mm. Wt. 141.6 g.	02.01.2011
Calandra Racing Concepts	CRC Maxxcell # CRC 3702		CRC LiPo 1S 3.7v. 6300 mah. 50C Wt. 144/156 g.	Length: 92.74 mm. Width: 45.97 mm. High: 18.23 mm. Wt. 149.2 g.	02.01.2011
<b>BATTERIES BELOW THIS LEVEL WERE APPROVED BY EFRA FOR 2010 AND ARE ALLOWED AT ALL 2013 EVENTS.</b>					
VTEC	LRP Competition car line. # 79877		LRP LiPo 1S 3.7v. 5400. 50C	Length: 92.72 mm. Width: 46.44 mm. High: 18.14 mm. Wt. 135.4 g Has chassis location.	17.01.2010
ORION	ORION Carbon. # ORI14032		ORION LiPo 1S 3.7v. 4200. 45C	Length: 92.70 mm. Width: 46.63 mm. High: 18.39 mm. Wt. 123.0 g	17.01.2010
Xceed	Xceed Race Pack # 105112		Xceed LiPo 1S 3.7v. 5000 mah. 40C	Length: 92.86 mm. Width: 46.07 mm. High: 18.22 mm. Wt. inc. wire 152.5 g	17.01.2010

SMC	SMC C-MAX # 5350SI		SMC LiPo 1S 3.7v. 5300 mah. 50C	Length: 91.73 mm. Width: 45.74 mm. High: 18.39 mm. Wt. 141.0 g	17.01.2010
Graupner	GM V-MAXX # 98979		GM LiPo 1S 3.7v. 5400 mah. 40C Case Black or C/Fibre	Length: 92.76 mm. Width: 46.01 mm. High: 17.88 mm. Wt. inc. wire 150.2 g	17.01.2010
First Strong	SpeedPower # SLR5041C		SpeedPower LiPo 1S 3.7v. 5500 mah. 45C	Length: 92.93 mm. Width: 46.05 mm. High: 18.20 mm. Wt. inc. wire 151.2 g	17.01.2010
Advanced Energy Inc.	Thunder Power Pro Race # TP5000-1SPR50		Thunder Power LiPo 1S 3.7v. 5000 mah. 50C	Length: 92.17 mm. Width: 46.39 mm. High: 18.25 mm. Wt. inc. wire 150.2 g	17.01.2010
Associated Electrics	Reedy # 719		Reedy LiPo 1S 3.7v. 4600 mah 40C 3.5mm Tubes	Length: 92.84 mm. Width: 46.84 mm. High: 17.98 mm. Wt. 139.8 g Has chassis location	17.01.2010
Desire Power	Desire Power V6 # DCP4800 XP40		Desire Power LiPo 1S 3.7v. 4800 mah. 40C	Length: 92.61 mm. Width: 46.80 mm. High: 18.29 mm. Wt. inc. wire 145.7 g Has chassis location	17.01.2010
Intellect Battery	IP Race Pack # HW1S5000V4		IP LiPo 1S 3.7v. 5000 mah. 40C	Length: 92.86 mm. Width: 46.21 mm. High: 18.13 mm. Wt. inc. wire 152.3 g	17.01.2010
Muchmore	Impact # MLI-T5200D		Impact LiPo 1S 3.7v. 5200 50C	Length: 92.81 mm. Width: 46.07 mm. High: 17.96 mm. Wt. inc. wire 151.2 g	17.01.2010
CS-Electronic	CS Factory Professional # C211016		CS LiPo 1S 3.7v. 5300 50C	Length: 92.97 mm. Width: 46.15 mm. High: 18.17 mm. Wt. inc. wire 153.2 g	17.01.2010
VTEC	Nosram X-Treme Race # 99947		Nosram LiPo 1S 3.7v. 5400 50C	Length: 92.73 mm. Width: 46.44 mm. High: 18.14 mm. Wt. 134.8 g Has chassis location	17.01.2010
Moore Speed	Moore-speed # MS-B3701		Moore Speed LiPo 1S 3.7v. 4600 mah. 50C	Length: 92.73 mm. Width: 46.49 mm. High: 18.48 mm. Wt. 123.3 g	17.01.2010