

EUROPEAN FEDERATION RADIO CONTROLLED AUTOMOBILES.

BATTERIES ON THIS HOMOLOGATION LIST HAVE BEEN CERTIFIED FOR COMPLIANCE WITH UN38.3, TESTS T1-T8.

Lithium based (LiPo) batteries detailed below, are approved for various EFRA Electric Classes. Section Rules will detail the type applicable.

EFRA rules limit battery energy capacity to comply with Airline Requirements (currently 100Wh.), based on Manufacturers data below.

Batteries approved from 2011 onwards must comply with the weight range specified. Batteries factory sealed (glue, weld etc.).















Battery packs must be able to be disconnected within the Car quickly without the use of tools. Direct soldering is not allowed.

Manufacturers advise that charge rate be restricted to 1C for optimum lifespan, but should not be more than stated below (for 2017 on).

Batteries MUST be charged using a 1S LiPo compatible charger. LiPo 'Sack' must be used when charging or discharging prior to race.

It is strictly NOT ALLOWED, to charge 1S LiPo Batteries to give an output voltage exceeding 4.20v.

Submitted by:	Label Details Part #	Illustration only	Manufacturer Supplied Data.	EFRA measured Specification,	Approval Date
BATTERIES ON THIS LIST WERE APPROVED BY EFRA IN YEARS 2010 - 2016 AND ARE ALLOWED AT ALL 2024 EVENTS.					
Associated Electrics	Reedy # 320		Reedy LiPo 1S 3.7v. 30.0 Wh. 70C Wt. 154/166 g. 4 mm. Tubes.	Sample complies with EFRA dimensions. Sample Wt. 159.2 g.	14.01.16
Intellect Battery	IP # CC1S8000SV1		Intellect LiPo 1S 3.7v. 30.0 Wh. 100C Wt. 150/162 g. 4 mm. Tubes.	Sample complies with EFRA dimensions. Sample Wt. 154.8 g.	14.01.16
LRP	LRP # 430249		LRP LiPo 1S 3.7v. 30.0 Wh. 110C Wt. 152/164 g. 4 mm. Tubes.	Sample complies with EFRA dimensions. Sample Wt. 158.4 g.	14.01.16
Modern Creations	Team Silverback Spiral R # 60001001SIN		Modern Creations LiPo 1S 3.7v. 22.2 Wh. 100C Wt. 147/159 g. 4 mm. Tubes.	Sample complies with EFRA dimensions. Sample Wt. 152.4 g.	14.01.16
Neidhart SA	Orion # ORI 14086		Orion LiPo 1S 3.7v. 27.4 Wh. 110C Wt. 136/148 g. 4 mm. Tubes.	Sample complies with EFRA dimensions. Sample Wt. 141.2 g.	14.01.16
Nosram	Nosram X-treme Race # 999542		Nosram LiPo 1S 3.7v. 30.0 Wh. 110C Wt. 152/164 g. 4 mm. Tubes.	Sample complies with EFRA dimensions. Sample Wt. 156.3 g.	14.01.16
Revell GmbH	TrakPower # TKPC0705		TrakPower LiPo 1S 3.7v. 21.0 Wh. 100C Wt. 136/148 g. 4 mm. Tubes.	Sample complies with EFRA dimensions. Sample Wt. 142.8 g.	14.01.16
Shenzhen Grepow	GensAce # B50C70001S2P H/Case 11		GensAce LiPo 1S 3.7v. 25.9 Wh. 50C Wt. 139/151 g. 4 mm. Tubes	Sample complies with EFRA dimensions. Sample Wt. 143.6 g.	14.01.16
Yokomo	Racing Performer # RPB-80E		Yokomo LiPo 1S 3.7v. 29.6 Wh. 100C Wt. 149/161 g. 4 mm. Tubes.	Sample complies with EFRA dimensions. Sample Wt. 155.4 g.	14.01.16
Muchmore Racing	Impact # MLI-T8000FD2		Muchmore LiPo 1S 3.7v. 29.6 Wh. 110C Wt. 149/161 g. 4 mm. Tubes.	Sample complies with EFRA dimensions. Sample Wt. 156.4 g.	14.01.16

ProTek RC	ProTek RC # PTK 5105-16		ProTek LiPo 1S 3.7v. 27.4 Wh. 100C Wt. 150/162 g. 4 mm. Tubes	Sample complies with EFRA dimensions. Sample Wt. 155.9 g.	14.01.16
Tianco	ORCA Infinite # OBHG76S1		Tianco LiPo 1S 3.7v. 28.1 Wh. 100C Wt. 150/162 g. 4 mm. Tubes	Sample complies with EFRA dimensions. Sample Wt. 156.5 g.	14.01.16
Intellect Battery	IP # CC1S7000SV1		Intellect LiPo 1S 3.7v. 26.0 Wh. 100C Wt. 139/151 g.	Sample complies with EFRA dimensions. Sample Wt. 145.9 g.	08.01.15
LRP	LRP # 430224		LRP LiPo 1S 3.7v. 27.8 Wh. 110C Wt. 144/156 g.	Sample complies with EFRA dimensions. Sample Wt. 151.4 g.	08.01.15 Typo corrected 16.02.15
Modern Creations	Team Silverback SpiralX # 7900901SIN		Modern Creations LiPo 1S 3.7v. 29.2 Wh. 90C Wt. 152/164 g.	Sample complies with EFRA dimensions. Sample Wt. 158.6 g.	08.01.15
Neidhart SA	Orion # ORI 14058		Orion LiPo 1S 3.7v. 25.9 Wh. 100C Wt. 139/151 g.	Sample complies with EFRA dimensions. Sample Wt. 141.7 g.	08.01.15
Nosram	Nosram X-treme Race # 999518		Nosram LiPo 1S 3.7v. 27.8 Wh. 110C Wt. 144/156 g.	Sample complies with EFRA dimensions. Sample Wt. 151.8 g.	08.01.15
Pro Models Corally	Corally # 48278		Pro Models LiPo 1S 3.7v. 22.9 Wh. 100C Wt. 144/156 g.	Sample complies with EFRA dimensions. Sample Wt. 150.7 g.	08.01.15
ProTek RC	ProTek RC # PTK 5105-15		ProTek LiPo 1S 3.7v. 20.0 Wh. 100C Wt. 139/151 g.	Sample complies with EFRA dimensions. Sample Wt. 144.7 g.	08.01.15
Shenzhen Grepow	GensAce # B50C70001S1 P H/Case11		GensAce LiPo 1S 3.7v. 25.9 Wh. 50C Wt. 139/151 g.	Sample complies with EFRA dimensions. Sample Wt. 144.6 g.	08.01.15
Tianco	ORCA Infinite # OBHV68T6		Tianco LiPo 1S 3.7v. 25.2 Wh. 100C Wt. 139/151 g.	Sample complies with EFRA dimensions. Sample Wt. 141.7 g.	08.01.15
Yokomo	Max Power # YBP169BE		Yokomo LiPo 1S 3.7v. 25.5 Wh. 75C Wt. 147/159 g.	Sample complies with EFRA dimensions. Sample Wt. 148.1 g.	08.01.15
Associated Electrics	Reedy # 312		Reedy LiPo 1S 3.7v. 26.0 Wh. 65C Wt. 149/161 g.	Sample complies with EFRA dimensions. Wt. 153.2 g.	05.01.14
Hobbico RC	TrakPower # TKPC0605		TrakPower LiPo 1S 3.7v. 24.0 Wh. 90C Wt. 144/156 g.	Sample complies with EFRA dimensions. Wt. 151.4 g.	05.01.14

Intellect Battery	IP # CC1S7000V9		Intellect LiPo 1S 3.7v. 26.0 Wh. 90C Wt. 144/156 g.	Sample complies with EFRA dimensions. Wt. 151.7 g.	05.01.14
VTEC LRP	VTEC # 430212		LRP LiPo 1S 3.7v. 24.4 Wh. 50C Wt. 146/158 g.	Sample complies with EFRA dimensions. Wt. 154.3 g.	05.01.14
Modern Creations	Team Silverback SpiralX # 6000901SIN		Team Silverback LiPo 1S 3.7v. 22.2 Wh. 90C Wt. 139/151 g.	Sample complies with EFRA dimensions. Wt. 148.5 g.	05.01.14
Muchmore Racing	Muchmore Impact # MLI-T6400FD		Muchmore LiPo 1S 3.7v. 23.7 Wh. 70C Wt. 144/156 g.	Sample complies with EFRA dimensions. Wt. 148.1 g.	05.01.14
VTEC Nosram	Nosram X-treme Race # 999509		Nosram LiPo 1S 3.7v. 24.4 Wh. 50C Wt. 146/158 g.	Sample complies with EFRA dimensions. Wt. 154.3 g.	05.01.14
Pro Models BVBA	Corally # 48261		Corally LiPo 1S 3.7v. 23.7 Wh. 90C Wt. 135/147 g.	Sample complies with EFRA dimensions. Wt. 139.8 g.	05.01.14
ProTek RC	ProTek RC # PTK 5105-14		ProTek LiPo 1S 3.7v. 23.6 Wh. 100C Wt. 144/156 g.	Sample complies with EFRA dimensions. Wt. 152.1 g.	05.01.14
Tianco	ORCA Infinite # OB6890C5		Orca LiPo 1S 3.7v. 25.2 Wh. 90C Wt. 144/156 g.	Sample complies with EFRA dimensions. Wt. 151.8 g.	05.01.14
Trinity Revtech Epic	RevTech FormulaX # REV2018-5		Revtech LiPo 1S 3.7v. 26.3 Wh. 100C Wt. 146/158 g. 5mm. Tubes	Sample complies with EFRA dimensions. Wt. 150.9 g.	05.01.14
Xcite RC	Xcite Energy XXL # 56600104		Xcite LiPo 1S 3.7v. 24.1 Wh. 80C Wt. 144/156 g.	Sample complies with EFRA dimensions. Wt. 151.8 g.	05.01.14
Italtrading	EZ-Power # EZP6600/1		Ital LiPo 1S 3.7v. 24.4 Wh. 70C Wt. 144/156 g.	Sample complies with EFRA dimensions. Wt. 151.1 g.	05.01.14
nVision	nVision # NVO 1117		nVision LiPo 1S 3.7v. 25.9 Wh. 100C Wt. 136/148 g.	Sample complies with EFRA dimensions. Wt. 145.4 g.	05.01.14
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
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
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
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.	02.01.11
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.	02.01.11
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.	02.01.11
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.	02.01.11
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.	02.01.11
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.	02.01.11
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.	02.01.11

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.	02.01.11
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.	02.01.11
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.	02.01.11
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.	02.01.11
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.	02.01.11
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.	02.01.11
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.	02.01.11
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.	02.01.11
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.	02.01.11
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.	17.01.10
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.	17.01.10
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	17.01.10
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	17.01.10
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	17.01.10

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	17.01.10
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	17.01.10
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	17.01.10
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	17.01.10
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	17.01.10
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	17.01.10
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	17.01.10
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	17.01.10
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	17.01.10

Paul Worsley, (EFRA Battery Homologation Officer). Updated - 02.01.24. (Seven Pages).