



APPROVED 1S. 'STICK' Lithium (LiPo) BATTERY LIST. 2020. v1.

List shows years :- 2015 -- 2020.

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

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. Availability dates for new EFRA compliant Packs are not known at the date of publishing this list. Manufacturers have confirmed March 2020 latest.

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.).




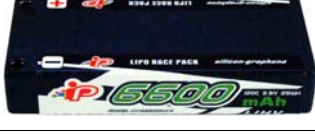










Battery packs must be able to be disconnected within the Car quickly without the use of tools. Direct soldering is not allowed.




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 BELOW ARE APPROVED BY EFRA FOR 2020, BUT NOT ALLOWED AT EFRA 2020 EVENTS UNTIL 01.03.20.					
Associated Electrics	Reedy Zappers # 27351		Reedy LiPo 1S 3.8v. 32.0 Wh. 85C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 152.6 g. Allowed: 151/163 g.	10.01.20
Freemax Technology	Arrowmax # AM 700303		Arrowmax LiPo 1S 3.7v. 29.6 Wh. 120C Max charge rate: 1C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 160.8 g. Allowed: 153/165 g.	10.01.20
Intellect Battery	IP # CC1S6600PT1		Intellect LiPo 1S 3.8v. 25.0 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 155.8 g. Allowed: 149/161 g.	10.01.20
Intellect Battery	IP # CC1S8200PT1		Intellect LiPo 1S 3.8v. 31.0 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 153.9 g. Allowed: 149/161 g.	10.01.20
Hoomark	Zombie # S80001201S		Hoomark LiPo 1S 3.7v. 29.6 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 154.9 g. Allowed: 151/163 g.	10.01.20
Modern Creations	T/Silverback Spiral-Z # Z85001201SIN		Modern Creations LiPo 1S 3.7v. 31.5 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 152.3 g. Allowed: 150/162 g.	10.01.20
Shenzhen Grepow	GensAce # 120C76001S2P HC58-HV		GensAce LiPo 1S 3.8v. 28.9 Wh. 120C Max charge rate: 1C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 139.2 g. Allowed: 134/146 g.	10.01.20
Shenzhen Grepow	GensAce Redline # 130C80001S2P HC58-HV		GensAce LiPo 1S 3.8v. 30.4 Wh. 130C Max charge rate: 1C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 147.1 g. Allowed: 144/156 g.	10.01.20
Xiamen 3-Circles	Sunpadow Platin # JA0005		3-Circles LiPo 1S 3.7v. 29.6 Wh. 110C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 154.5 g. Allowed: 148/160 g.	10.01.20
BATTERIES BELOW THIS LEVEL WERE APPROVED BY EFRA FOR 2019 AND ARE ALLOWED AT 2020 EVENTS.					
Associated Electrics	Reedy Zappers # 27339		Reedy LiPo 1S 3.8v. 26.0 Wh. 110C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 151.0 g. Allowed: 144/156 g.	16.01.19

Associated Electrics	Reedy Zappers # 27340		Reedy LiPo 1S 3.8v. 32.0 Wh. 80C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 151.9 g. Allowed: 144/156 g.	16.01.19
Team Corally	Corally Voltax # 49637		Corally LiPo 1S 3.8v. 25.1 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 151.6 g. Allowed: 144/156 g.	16.01.19
Team Corally	Corally Voltax # 49636		Corally LiPo 1S 3.8v. 31.2 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 152.1 g. Allowed: 144/156 g.	16.01.19
Intellect Battery	IP # CC1S6600HV4		Intellect LiPo 1S 3.8v. 25.0 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 151.9 g. Allowed: 144/156 g.	16.01.19
Intellect Battery	IP # CC1S8200HV4		Intellect LiPo 1S 3.8v. 31.0 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 151.6 g. Allowed: 144/156 g.	16.01.19
Modern Creations	T/Silverback Spiral-G # 82001201SIN		Modern Creations LiPo 1S 3.7v. 30.3 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 151.7 g. Allowed: 150/162 g.	16.01.19
PK Racing	PK Racing Asuga # PK-200-004		PK Racing LiPo 1S 3.8v. 25.1 Wh. 100C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 153.9 g. Allowed: 144/156 g.	16.01.19
PK Racing	PK Racing Asuga # PK-200-005		PK Racing LiPo 1S 3.8v. 31.2 Wh. 100C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 150.9 g. Allowed: 144/156 g.	16.01.19
ProTek RC	ProTek RC # PTK-5125-19		ProTek LiPo 1S 3.8v. 25.8 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 152.6 g. Allowed: 144/156 g.	16.01.19
ProTek RC	ProTek RC # PTK-5105-19		ProTek LiPo 1S 3.8v. 30.7 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 152.3 g. Allowed: 144/156 g.	16.01.19
Tianco	ORCA Infinite X # LP18IN1S85S		Tianco LiPo 1S 3.7v. 31.5 Wh. 130C Max charge rate: 1C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 158.4 g. Allowed: 153/165 g.	16.01.19
Xiamen 3-Circles	Sunpadow # 5660045		3-Circles LiPo 1S 3.7v. 22.2 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 154.7 g. Allowed: 151/163 g.	16.01.19
Xiamen 3-Circles	Sunpadow # S663067		3-Circles LiPo 1S 3.7v. 23.3 Wh. 130C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 152.8 g. Allowed: 150/162 g.	16.01.19
Xiamen 3-Circles	Sunpadow # H680042		3-Circles LiPo 1S 3.8v. 30.4 Wh. 100C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 156.8 g. Allowed: 152/164 g.	16.01.19

Xiamen 3-Circles	Sunpadow # S682068		3-Circles LiPo 1S 3.7v. 30.3 Wh. 100C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 162.2 g. Allowed: 159/173 g.	16.01.19
CML	Centro # C5001		Centro LiPo 1S 3.7v. 29.6 Wh. 100C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 158.6 g. Allowed: 150/162 g.	16.01.19
Team EAM	EAM # EAM80110-1		EAM LiPo 1S 3.7v. 29.6 Wh. 110C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 155.1 g. Allowed: 151/163 g.	16.01.19

BATTERIES BELOW THIS LEVEL WERE APPROVED BY EFRA FOR 2018 AND ARE ALLOWED AT 2020 EVENTS.

Associated Electrics	Reedy Zappers # 27326		Reedy LiPo 1S 3.8v. 32.0 Wh. 110C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 149.4 g. Allowed: 144/156 g.	18.01.18
Freemax Technology	Arrowmax # AM 700302		Arrowmax LiPo 1S 3.7v. 29.6 Wh. 110C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 154.7 g. Allowed: 149/161 g.	18.01.18
Intellect Battery	IP # CC1S7000HV3		Intellect LiPo 1S 3.8v. 27.0 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 149.3 g. Allowed: 144/156 g.	18.01.18
Intellect Battery	IP # CC1S8200HV3		Intellect LiPo 1S 3.8v. 31.0 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 148.3 g. Allowed: 144/156 g.	18.01.18
LRP	LRP P4 Stock Spec. # 430270		LRP LiPo 1S 3.7v. 23.0 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 153.3 g. Allowed: 144/156 g.	18.01.18
LRP	LRP P4 Ultra LCG # 430268		LRP LiPo 1S 3.7v. 29.6 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 157.5 g. Allowed: 152/164 g.	18.01.18
Neidhart SA	Orion Ultimate # ORI 14510		Orion LiPo 1S 3.7v. 26.6 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 140.5 g. Allowed: 136/148 g.	18.01.18
Neidhart SA	Orion Ultimate HV # ORI 14500		Orion LiPo 1S 3.8v. 28.9 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 143.0 g. Allowed: 137/149 g.	18.01.18
Team Corally	Corally Voltax # 49635		Corally LiPo 1S 3.8v. 30.4 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 148.3 g. Allowed: 144/155 g.	18.01.18
Tianco	ORCA HV Gen. 4 # OBH4851S		Tianco LiPo 1S 3.8v. 32.3 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 146.6 g. Allowed: 144/156 g.	18.01.18
Italtrading	EZ-Power # EZP8000/1		Ital LiPo 1S 3.8v. 30.4 Wh. 140C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 145.6 g. Allowed: 144/156 g.	18.01.18

BATTERIES BELOW THIS LEVEL WERE APPROVED BY EFRA FOR 2017 AND ARE ALLOWED AT 2020 EVENTS.

Intellect Battery	IP # CC1S8200HV2		Intellect LiPo 1S 3.8v. 31.0 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 152.0 g. Allowed: 146/158 g.	05.01.17
Modern Creations	Team Silverback Siren-HV # HV80001001SIN		Modern Creations LiPo 1S 3.8v. 30.4 Wh. 100C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 148.5 g. Allowed: 142/154 g.	05.01.17
Team Corally	Corally Platinum V+ # 48331		Corally LiPo 1S 3.7v. 25.2 Wh. 100C Max charge rate: 1.4C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 149.1 g. Allowed: 144/156 g.	05.01.17
Team Corally	Corally Platinum V+ # 48333		Corally LiPo 1S 3.7v. 28.9 Wh. 100C Max charge rate: 1.6C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 148.2 g. Allowed: 144/156 g.	05.01.17
Team Corally	Corally Coral-X # 48370		Corally LiPo 1S 3.8v. 28.5 Wh. 100C Max charge rate: 1.5C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 147.2 g. Allowed: 142/154 g.	05.01.17
Tianco	ORCA Gen. 3 # OBH380C1		Tianco LiPo 1S 3.8v. 30.4 Wh. 110C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 152.5 g. Allowed: 146/158 g.	05.01.17


BATTERIES BELOW THIS LEVEL WERE APPROVED BY EFRA FOR 2016 AND ARE ALLOWED AT 2020 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

BATTERIES BELOW THIS LEVEL WERE APPROVED BY EFRA FOR 2015 AND ARE ALLOWED AT 2020 EVENTS.

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
Paul Worsley, (EFRA Battery Homologation Officer). Updated - 10.01.20. (Six Pages).					