



# APPROVED 2S. 'SADDLE' Lithium (LiPo) BATTERY LIST. 2020 v1.

List shows years :- 2012 -- 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 2S LiPo compatible charger. LiPo 'Sack' must be used when charging or discharging prior to race.**

**It is strictly NOT ALLOWED, to charge 2S LiPo Batteries to give an output voltage exceeding 8.40v.**

Submitted by:	Label Details Part #	Illustration only	Manufacturer Supplied Data.	EFRA measured Specification,	Approval Date
<b>NO 'SADDLE' BATTERIES HAVE BEEN ADDED TO THIS LIST DURING 2018 - 2020.</b>					
<b>BATTERIES BELOW THIS LEVEL WERE APPROVED BY EFRA FOR 2017 AND ARE ALLOWED AT 2020 EVENTS.</b>					
Intellect Battery	IP # TP2S6000HV2		Intellect LiPo 2S 2 x 3.8v. 2 x 23.0 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: Pr. 273.9 g. Allowed: 261/283 g.	05.01.17
Team Corally	Corally Coral-X # 48374		Corally LiPo 2S 2 x 3.8v. 2 x 22.8 Wh. 100C Max charge rate: 1.2C 4 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: Pr. 276.7 g. Allowed: 265/287 g.	05.01.17
<b>BATTERIES BELOW THIS LEVEL WERE APPROVED BY EFRA FOR 2016 AND ARE ALLOWED AT 2020 EVENTS.</b>					
LRP	LRP # 430240		LRP LiPo 2S 7.4v. 42.9 Wh. 110C Wt. 263/285 g. 5 mm. Tubes.	Sample complies with EFRA dimensions.  Sample Wt. 273.9 g.	14.01.16
LRP	LRP # 430242		LRP LiPo 2S 7.4v. 28.9 Wh. 110C Wt. 196/212 g. 5 mm. Tubes.	Sample complies with EFRA dimensions.  Sample Wt. 204.5 g.	14.01.16
LRP	LRP # 430241		LRP LiPo 2S 7.4v. 28.9 Wh. 110C Wt. 181/196 g. 5 mm. Tubes.	Sample complies with EFRA dimensions.  Sample Wt. 188.6 g.	14.01.16
LRP	LRP # 430243		LRP LiPo 2S 7.4v. 28.9 Wh. 110C Wt. 202/218 g. 5 mm. Tubes.	Sample complies with EFRA dimensions.  Sample Wt. 211.3 g.	14.01.16
Neidhart SA	Orion # ORI 14085		Orion LiPo 2S 7.4v. 29.6 Wh. 110C Wt. 184/198 g. 4 mm. Tubes	Sample complies with EFRA dimensions.  Sample Wt. 193.7 g.	14.01.16
Nosram	Nosram X-treme Race # 999533		Nosram LiPo 2S 7.4v. 42.9 Wh. 110C Wt. 263/285 g. 5 mm. Tubes.	Sample complies with EFRA dimensions.  Sample Wt. 273.4 g.	14.01.16
Nosram	Nosram X-treme Race # 999535		Nosram LiPo 2S 7.4v. 28.9 Wh. 110C Wt. 196/212 g. 5 mm. Tubes.	Sample complies with EFRA dimensions.  Sample Wt. 204.9 g.	14.01.16
Nosram	Nosram X-treme Race # 999534		Nosram LiPo 2S 7.4v. 28.9 Wh. 110C Wt. 181/196 g. 5 mm. Tubes.	Sample complies with EFRA dimensions.  Sample Wt. 189.9 g.	14.01.16

Nosram	Nosram X-treme Race # 999536		Nosram LiPo 2S 7.4v. 28.9 Wh. 110C Wt. 202/218 g. 5 mm. Tubes.	Sample complies with EFRA dimensions. Sample Wt. 211.1 g.	14.01.16
RC Concept	Omega # 50C5157200T		RC Concept LiPo 2S 7.4v. 42.2 Wh. 100C Wt. 267/289 g. 4 mm. Tubes.	Sample complies with EFRA dimensions. Sample Wt. 278.4 g.	14.01.16
Revell GmbH	TrakPower # TKPC0725		TrakPower LiPo 2S 7.4v. 19.0 Wh. X 2 100C Wt. 267/289 g. 4 mm. Tubes.	Sample complies with EFRA dimensions. Sample Wt. 275.5 g.	14.01.16
Shenzhen Grepow	GensAce # B60C57002S3P H/Case 26		GensAce LiPo 2S 7.4v. 42.2 Wh. 60C Wt. 274/296 g. 4 mm. Tubes	Sample complies with EFRA dimensions. Sample Wt. 276.6 g.	14.01.16
MaxTime	MTB # MTB293		Maxtime LiPo 2S 7.4v. 42.2 Wh. 100C Wt. 278/302 g. 4 mm. Tubes.	Sample complies with EFRA dimensions. Sample Wt. 293.3 g.	14.01.16

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

Intellect Battery	IP # TP2S6000SV1		Intellect LiPo 2S 7.4v. 22.0 (x2) Wh. 100C Wt. 267/289 g.	Sample complies with EFRA dimensions. Sample Wt. 278.9 g.	08.01.15
LRP	LRP # 430225		LRP LiPo 2S 7.4v. 40.7 Wh. 110C Wt. 265/287 g.	Sample complies with EFRA dimensions. Sample Wt. 277.5 g.	08.01.15
LRP	LRP # 430226		LRP LiPo 2S 7.4v. 27.4 Wh. 110C Wt. 180/196 g.	Sample complies with EFRA dimensions. Sample Wt. 190.3 g.	08.01.15
Modern Creations	Team Silverback SpiralX # 6100902SSP		Modern Creations LiPo 2S 7.4v. 45.1 Wh. 90C Wt. 254/276 g.	Sample complies with EFRA dimensions. Sample Wt. 267.0 g.	08.01.15
Muchmore Racing	Impact # MLI-IS6000FD2		Muchmore LiPo 2S 7.4v. 44.4 Wh. 90C Wt. 267/289 g.	Sample complies with EFRA dimensions. Sample Wt. 278.1 g.	08.01.15
Nosram	Nosram X-treme Race # 999519		Nosram LiPo 2S 7.4v. 40.7 Wh. 110C Wt. 265/287 g.	Sample complies with EFRA dimensions. Sample Wt. 274.9 g.	08.01.15
Nosram	Nosram X-treme Race # 999520		Nosram LiPo 2S 7.4v. 27.4 Wh. 110C Wt. 180/196 g.	Sample complies with EFRA dimensions. Sample Wt. 189.7 g.	08.01.15
Process Measurement & Analysis	Optipower # OPR500050BSD		Optipower LiPo 2S 7.4v. 37.0 Wh. 50C Wt. 271/293 g.	Sample complies with EFRA dimensions. Sample Wt. 281.7 g.	08.01.15
Process Measurement & Analysis	Optipower # OPR500050FLSD		Optipower LiPo 2S 7.4v. 37.0 Wh. 50C Wt. w/wire 280/304 g.	Sample complies with EFRA dimensions. Sample Wt. 291.8 g.	08.01.15

Pro Models Corally	Corally # 48279		Pro Models LiPo 2S 7.4v. 40.7 Wh. 100C Wt. 283/307 g.	Sample complies with EFRA dimensions.  Sample Wt. 290.3 g.	08.01.15
ProTek RC	ProTek RC # PTK 5112-15		ProTek LiPo 2S 7.4v. 38.5 Wh. 100C Wt. 267/289 g.	Sample complies with EFRA dimensions.  Sample Wt. 278.1 g.	08.01.15
Ruddog Dist.	Vampire # VR-1029		Vampire LiPo 2S 7.4v. 42.2 Wh. 80C Wt. 278/302 g.	Sample complies with EFRA dimensions.  Sample Wt. 291.0 g.	08.01.15

**BATTERIES BELOW THIS LEVEL WERE APPROVED BY EFRA FOR 2014 AND ARE ALLOWED AT 2020 EVENTS.**

CS- Electronic	CS Professional # C211033		CS LiPo 2S 7.4v. 44.4 Wh. 80C Wt. 267/289 g.	Sample complies with EFRA dimensions.  Wt. 279.9 g.	05.01.14
Hacker Motor	Hacker Top Fuel # 75700278		Hacker LiPo 2S 7.4v. 40.7 Wh. 90C Wt. 277/300 g.	Sample complies with EFRA dimensions.  Wt. 288.2 g.	05.01.14
Hobbico RC	TrakPower # TKPC0625		TrakPower LiPo 2S 7.4v. 22 (x2) Wh. 90C Wt. 267/289 g.	Sample complies with EFRA dimensions.  Wt. 278.5 g.	05.01.14
VTEC LRP	VTEC # 430213		LRP LiPo 2S 7.4v. 42.9 Wh. 55C Wt. 267/289 g.	Sample complies with EFRA dimensions.  Wt. 279.4 g.	05.01.14
Muchmore Racing	Muchmore Impact # MLI- IS5000FD		Muchmore LiPo 2S 7.4v. 37.0 Wh. 50C Wt. 245/265 g.	Sample complies with EFRA dimensions.  Wt. 254.6 g.	05.01.14
Neidhart SA	ORION Carbon Pro # ORI 14063		Orion LiPo 2S 7.4v. 40.7 Wh. 100C Wt. 276/3300 g.	Sample complies with EFRA dimensions.  Wt. 288.1 g.	05.01.14
Neidhart SA	ORION Carbon Pro # ORI 14064		Orion LiPo 2S 7.4v. 40.7 Wh. 100C Wt. w/wire 296/320 g.	Sample complies with EFRA dimensions.  Wt. w/wire 307.7 g.	05.01.14
VTEC Nosram	Nosram X-treme Race # 999510		Nosram LiPo 2S 7.4v. 42.9 Wh. 55C Wt. 267/289 g.	Sample complies with EFRA dimensions.  Wt. 279.4 g.	05.01.14
Pro Models BVBA	Corally # 48260		Corally LiPo 2S 7.4v. 42.9 Wh. 90C Wt. 264/286 g.	Sample complies with EFRA dimensions.  Wt. 266.3 g.	05.01.14
ProTek RC	ProTek RC # PTK LPH 2S100 SP		ProTek LiPo 2S 7.4v. 40.7 Wh. 100C Wt. 274/296 g.	Sample complies with EFRA dimensions.  Wt. 282.1 g.	05.01.14
Tianco	ORCA Infinite # OB6090SP		Orca LiPo 2S 7.4v. 22.2 (x2) Wh. 90C Wt. 269/291 g.	Sample complies with EFRA dimensions.  Wt. 283.3 g.	05.01.14

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

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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

**BATTERIES BELOW THIS LEVEL WERE APPROVED BY EFRA FOR 2012 AND ARE ALLOWED AT 2020 EVENTS.**

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

