

**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 2023 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 4S LiPo compatible charger. LiPo 'Sack' must be used when charging or discharging prior to race.**

**It is strictly NOT ALLOWED, to charge 4S LiPo Batteries to give an output voltage exceeding 16.80v.**

Submitted by:	Label Details Part #	Illustration only	Manufacturer Supplied Data.	EFRA measured Specification,	Approval Date
<b>BATTERIES BELOW ARE APPROVED BY EFRA FOR 2023, BUT NOT ALLOWED AT EFRA 2023 EVENTS UNTIL 01.04.23.</b>					
Kiel Technology	Fyrrework ECP plus # F65130-4S1P HV		Kiel LiPo 4S 15.2v. 98.8 Wh. 130C Max charge rate: 1C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 485.4 g. Allowed: 466/504 g.	02.01.23
<b>BATTERIES BELOW THIS LEVEL WERE APPROVED BY EFRA FOR 2022 AND ARE ALLOWED AT 2023 EVENTS.</b>					
Absima	Absima Competition # 4150014		Absima LiPo 4S 15.2v. 89.7 Wh. 140C Max charge rate: 1C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 448.2 g. Allowed: 430/466 g.	03.01.22
Associated Electrics	Reedy Zappers SG5 # 27388		Reedy LiPo 4S 15.2v. 99.0 Wh. 130C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 574.6 g. Allowed: 547/593 g.	03.01.22
Freemax Technology	Arrowmax # AM 700610		Freemax Tech. LiPo 4S 14.8v. 88.8 Wh. 130C Max charge rate: 1C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 482.0 g. Allowed: 463/501 g.	03.01.22
Intellect Pioneering Battery Technology	IP Platinum Series # BG4S6400PT2		Intellect LiPo 4S 15.2v. 97.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 445.0 g. Allowed: 427/463 g.	03.01.22
Intellect Pioneering Battery Technology	IP Platinum Series # CC4S5200PT2		Intellect LiPo 4S 15.2v. 79.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 451.0 g. Allowed: 432/468 g.	03.01.22
Intellect Pioneering Battery Technology	IP Platinum Series # CC4S6500PT2		Intellect LiPo 4S 15.2v. 99.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 575.5 g. Allowed: 547/593 g.	03.01.22
LRP	LRP G4.1 LCG Modified # 432250		LRP LiPo 4S 15.2v. 91.2 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 475.7 g. Allowed: 459/497 g.	03.01.22

LRP	LRP G4.1 LCG Modified # 432251		LRP LiPo 4S 15.2v. 99.6 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 538.2 g. Allowed: 518/562 g.	03.01.22  31.12.22 Wts. Amended
ProTek RC	ProTek RC # PTK-5131-22		ProTek LiPo 4S 15.2v. 97.2 Wh. 130C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 445.6 g. Allowed: 427/463 g.	03.01.22
ProTek RC	ProTek RC # PTK-5118-22		ProTek LiPo 4S 15.2v. 85.0 Wh. 130C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 465.5 g. Allowed: 451/489 g.	03.01.22
Ruddog Dist.	Ruddog # RP-0475		Ruddog LiPo 4S 15.2v. 99.9 Wh. 150C Max charge rate: 2C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 484.8 g. Allowed: 466/504 g.	03.01.22
Xiamen 3-Circles	Sunpadow # JA0010		3-Circles LiPo 4S 14.8v. 77.0 Wh. 130C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 488.2 g. Allowed: 470/510 g.	03.01.22
Xiamen 3-Circles	Sunpadow # JA0015		3-Circles LiPo 4S 14.8v. 82.9 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 482.2 g. Allowed: 465/503 g.	03.01.22
Xiamen 3-Circles	Sunpadow # JA0033		3-Circles LiPo 4S 14.8v. 93.2 Wh. 130C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 596.3 g. Allowed: 574/622 g.	03.01.22
Xiamen 3-Circles	Sunpadow # JA0007		3-Circles LiPo 4S 14.8v. 99.2 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 587.2 g. Allowed: 565/613 g.	03.01.22
<b>No batteries were homologated for 2021, as batteries from 2020 were not fully utilised due to event cancellations.</b>					
<b>BATTERIES BELOW THIS LEVEL WERE APPROVED BY EFRA FOR 2020 AND ARE ALLOWED AT 2023 EVENTS.</b>					
Associated Electrics	Reedy Zappers SG3 # 27353		Reedy LiPo 4S 15.2v. 98.0 Wh. 115C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 559.0 g. Allowed: 533/577 g.	10.01.20
Neidhart SA	Orion V-Max # ORI 14520		Neidhart SA LiPo 4S 15.2v. 99.9 Wh. 128C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 571.5 g. Allowed: 547/593 g.	10.01.20
Ruddog Dist.	Ruddog # RP-0178		Ruddog LiPo 4S 15.2v. 98.8 Wh. 100C Max charge rate: 2C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 538.1 g. Allowed: 535/579 g.	10.01.20

Shenzhen Grepow	GensAce Redline # 130C60004S1P HC59-HV		GensAce LiPo 4S 15.2v. 91.2 Wh. 130C Max charge rate: 1C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 435.3 g. Allowed: 422/458 g.	10.01.20
Shenzhen Grepow	GensAce # 120C65504S1P HC50-HV		GensAce LiPo 4S 15.2v. 99.6 Wh. 120C Max charge rate: 1C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 589.0 g. Allowed: 547/593 g.	10.01.20
Vapex Technology	VP Racing # VP98959		Vapex LiPo 4S 15.2v. 98.8 Wh. 70C Max charge rate: 2C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 556.9 g. Allowed: 535/579 g.	10.01.20
<b>BATTERIES BELOW THIS LEVEL WERE APPROVED BY EFRA FOR 2019 AND ARE ALLOWED AT 2023 EVENTS.</b>					
Associated Electrics	Reedy Zappers SG2 # 27342		Reedy LiPo 4S 15.2v. 98.0 Wh. 110C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 538.3 g. Allowed: 509/551 g.	16.01.19
Intellect Battery	IP # CC4S6000HV4		Intellect LiPo 4S 15.2v. 91.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 531.5 g. Allowed: 509/551 g.	16.01.19
Neidhart SA	Performa # PA9302		Neidhart SA LiPo 4S 14.8v. 98.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 573.7 g. Allowed: 544/590 g.	16.01.19
PK Racing	PK Racing Kansan # PK-200-228		PK Racing LiPo 4S 15.2v. 98.8 Wh. 120C Max charge rate: 2C 4.5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: w/w 584.8 g. Allowed: 584/632 g.	16.01.19
ProTek RC	ProTek RC # PTK-5101-19		ProTek LiPo 4S 15.2v. 62.3 Wh. 120C Max charge rate: 3C Wires	Sample complies with EFRA dimensions. Weights:- Sample w/w: 343.3 g. Allowed: 336/364 g.	16.01.19
ProTek RC	ProTek RC # PTK-5118-18		ProTek LiPo 4S 15.2v. 85.0 Wh. 100C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 467.9 g. Allowed: 446/484 g.	16.01.19
ProTek RC	ProTek RC # PTK-5106-19		ProTek LiPo 4S 15.2v. 98.8 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 538.6 g. Allowed: 509/551 g.	16.01.19
<b>BATTERIES BELOW THIS LEVEL WERE APPROVED BY EFRA FOR 2018 AND ARE ALLOWED AT 2023 EVENTS.</b>					
Associated Electrics	Reedy Zappers SG # 27328		Reedy LiPo 4S 15.2v. 98.0 Wh. 110C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 548.7 g. Allowed: 528/572 g.	18.01.18

Intellect Battery	IP # CC4S5200HV3		Intellect LiPo 4S 15.2v. 79.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 469.2 g. Allowed: 446/484 g.	18.01.18
Intellect Battery	IP # CC4S6000HV3		Intellect LiPo 4S 15.2v. 91.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 533.8 g. Allowed: 509/551 g.	18.01.18
LRP	LRP P5 Offroad # 430269		LRP LiPo 4S 14.8v. 97.7 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 622.2 g. Allowed: 599/649 g.	18.01.18
Neidhart SA	Orion Ultimate # ORI 14516		Orion LiPo 4S 14.8v. 97.7 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 578.6 g. Allowed: 553/600 g.	18.01.18
Nosram	Nosram P5 Offroad # 999551		Nosram LiPo 4S 14.8v. 97.7 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 626.0 g. Allowed: 599/649 g.	18.01.18
Shenzhen Grepow	GensAce # B100C67504S1 P HC-50-HV-RS		GensAce LiPo 4S 14.8v. 99.9 Wh. 100C Max charge rate: 1C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 586.1 g. Allowed: 563/609 g.	18.01.18
Team Corally	Corally Voltax # C-49530		Corally LiPo 4S 14.8v. 96.2 Wh. 120C Max charge rate: 2C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: w/w 570.9 g. Allowed: 549/595 g.	18.01.18
Team Corally	Corally Voltax # C-49631		Corally LiPo 4S 15.2v. 99.0 Wh. 120C Max charge rate: 2C Wires	Sample complies with EFRA dimensions. Weights:- Sample: w/w 609.0 g. Allowed: 584/635 g.	18.01.18
Team Corally	Corally Voltax # C-49630		Corally LiPo 4S 15.2v. 99.0 Wh. 120C Max charge rate: 2C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: w/w 551.6 g. Allowed: 530/574 g.	18.01.18
Team Corally	Corally Voltax # 49531		Corally LiPo 4S 14.8v. 99.9 Wh. 120C Max charge rate: 2C Wires	Sample complies with EFRA dimensions. Weights:- Sample: w/w 604.3 g. Allowed: 580/628 g.	18.01.18
<b>BATTERIES BELOW THIS LEVEL WERE APPROVED BY EFRA FOR 2017 AND ARE ALLOWED AT 2023 EVENTS.</b>					
Intellect Battery	IP # CC4S6000HV2		Intellect LiPo 4S 15.2v. 91.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 543.8 g. Allowed: 528/572 g.	05.01.17

LRP	LRP # 430246		LRP LiPo 4S 14.8v. 97.7 Wh. 110C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 637.3 g. Allowed: 609/659 g.	05.01.17
Modern Creations	Team Silverback Spiral R # 6750904SIN		Modern Creations LiPo 4S 14.8v. 99.9 Wh. 90C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 530.5 g. Allowed: 509/551 g.	05.01.17
Muchmore Racing	Impact # MLI-4SLCG5200FD2		Muchmore LiPo 4S 14.8v. 76.9 Wh. 110C Max charge rate: 1C Wires	Sample complies with EFRA dimensions. Weights:- Sample: w/w 453.7 g. Allowed: 434/470 g.	05.01.17
Neidhart SA	Orion # ORI 14084		Orion LiPo 4S 14.8v. 71.0 Wh. 110C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 436.5 g. Allowed: 418/452 g.	05.01.17
Neidhart SA	Orion # ORI 14090		Orion LiPo 4S 14.8v. 71.0 Wh. 110C Max charge rate: 3C Wires	Sample complies with EFRA dimensions. Weights:- Sample: w/w 469.6 g. Allowed: 451/489 g.	05.01.17
Nosram	Nosram X-treme Race # 999539		Nosram LiPo 4S 14.8v. 97.7 Wh. 110C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 638.5 g. Allowed: 609/659 g.	05.01.17
ProTek RC	ProTek RC # PTK-5106-17		ProTek LiPo 4S 15.2v. 98.8 Wh. 100C Max charge rate: 3C 5 mm. Tubes	Sample complies with EFRA dimensions. Weights:- Sample: 540.5 g. Allowed: 528/572 g.	05.01.17
Team Corally	Corally Coral-X # 48375		Corally LiPo 4S 15.2v. 98.8 Wh. 100C Max charge rate: 1.3C Wires	Sample complies with EFRA dimensions. Weights:- Sample: w/w 573.4 g. Allowed: 551/597 g.	05.01.17
Team Corally	Corally X-Treme # 48242		Corally LiPo 4S 14.8v. 98.8 Wh. 90C Max charge rate: 1.3C Wires	Sample complies with EFRA dimensions. Weights:- Sample: w/w 495.7 g. Allowed: 475/515 g.	05.01.17