

## APPROVED 4S. 'STICK' Lithium (LiPo) BATTERY LIST. 2025. v1.

List shows years :- 2017 -- 2025.

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 2025 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 lifspan, 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.

AB4150024   Exalt   Sample: 451.0 g.   Allowed: 433/469 g.   Allowed: 433/469 g.	Submitted by:	Label Details Part #	Illustration only	Manufacturer Supplied Data.	EFRA measured Specification,	Approval Date
Absima # AB4150024	BATTE	RIES BELOW A	ARE APPROVED BY EFRA FOR 2025, BUT N	OT ALLOWED AT EFRA	2025 EVENTS UNTIL 0	1.04.25.
Team	Absima	#	ASIVA PROS	LiPo 4S 15.2v. 95.76 Wh. 140C Max charge rate: 1C	EFRA dimensions. Weights:- Sample: 451.0 g.	01.01.25
Corally		X Rated #	N.	LiPo 4S 14.8v. 87.32 Wh. 135C Max charge rate: 1C	EFRA dimensions. Weights:- Sample: 462.4 g.	01.01.25
Team Corally	BAT	TTERIES BELC	W THIS LEVEL WERE APPROVED BY EFRA	FOR 2024 AND ARE AI	LOWED AT 2025 EVEN	ITS.
Continued   Fi65130-4S1P		Voltax	DUDUCATE AL TOTAL CONTROL OF THE PARTY OF TH	LiPo 4S 14.8v. 99.9 Wh. 120C Max charge rate: 2C Wires with 4.5 mm.	EFRA dimensions. Weights:- Sample: 625.2 g. Allowed: 597/647 g.	01.01.24
ONYX Power Systems    Modified V2 LCG		ECP plus # Fi65130-4S1P	The second secon	LiPo 4S 15.2v. 98.8 Wh. 130C Max charge rate: 3C	EFRA dimensions. Weights:- Sample: 482.6 g.	01.01.24
Shenzhen Grepow  Shenzh	_	LCG #	TEAM-ONYX 6550	LiPo 4S 15.2v. 99.6 Wh. 150C Max charge rate: 3C	EFRA dimensions. Weights:- Sample: 467.7 g.	01.01.24
Shenzhen Grepow  Shenzhen Grepow  Shenzhen Grepow  Shenzhen Grepow  Shenzhen Grepow  #  GEA6300 4S14D5  BATTERIES BELOW THIS LEVEL WERE APPROVED BY EFRA FOR 2023 AND ARE ALLOWED AT 2025 EVENTS.  Kiel  Sample complies with EFRA dimensions. Weights:- Sample: 452.7 g. Allowed: 437/473 g.  Sample complies with EFRA dimensions. Weights:- Sample: 452.7 g. Allowed: 437/473 g.  Kiel  Sample complies with EFRA dimensions. Weights:- Sample: 452.7 g. Allowed: 437/473 g.  Kiel  Sample complies with EFRA dimensions. Weights:- Sample: 452.7 g. Allowed: 437/473 g.		Redline 2.0 # GEA6000	* POLICE DE LA MENONS LIPO-HV 18 SV 01 SWI GEORG CO	LiPo 4S 15.2v. 91.2 Wh. 140C Max charge rate: 1C	EFRA dimensions. Weights:- Sample: 413.2 g.	01.01.24
Fyrrework Sample complies with	Grepow	Redline 2.0 # GEA6300 4S14D5	EBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	LiPo 4S 15.2v. 95.76 Wh. 140C Max charge rate: 1C 5 mm. Tubes	EFRA dimensions. Weights:- Sample: 452.7 g. Allowed: 437/473 g.	01.01.24
Fyrrework   Sample compiles with	BAT	TTERIES BELC	W THIS LEVEL WERE APPROVED BY EFRA	FOR 2023 AND ARE AI	LOWED AT 2025 EVEN	ITS.
KIE STORMAN	Technology	ECP plus # F65130-4S1P HV	6500 mark	LiPo 4S 15.2v. 98.8 Wh. 130C Max charge rate: 1C 5 mm. Tubes	EFRA dimensions. Weights:- Sample: 485.4 g. Allowed: 466/504 g.	02.01.23

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Absima	Absima Competition # 4150014	HISTORY SERVICES	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	GSSO AND	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	LIPO GOODMAN 14.8V SAME STATE OF STATE STA	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	LITE BALL FALL STATE STA	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	1394 5398 Ball supported supplies  LIPO RACE PACE afficiant graphene  4/5 LCG  Supplies  MAh  Autor Constraint	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	LIFO RACE PACH allowing graphene	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	O AV AS BITTAN ICE MODIFIED AUGUSTON AU	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	O NV 45 LCE MODIFIED	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	HICKORY CONTROL OF THE PARTY OF	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	INTERPRETATION OF THE PROPERTY	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	SESSE 184W AS LIPSHIV	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

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Xiamen 3-Circles	Sunpadow # JA0010	SZOO min Gramen  Killiez Mannager	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	SEQUENT STREET S	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	Barries San Company Co	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	BYOU MAIN Grandence Acade Anticrice Acade Anticrice Acade Anticrice Acade Anticrice Acade	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
		nomologated for 2021, as batteries from 2020			
BAT	TTERIES BELO	W THIS LEVEL WERE APPROVED BY EFRA	FOR 2020 AND ARE A	LLOWED AT 2025 EVEN	ITS.
Associated Electrics	Reedy Zappers SG3 # 27353	6400 A A A A A A A A A A A A A A A A A A	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	V-MEX-MV 18 AV	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	SSOO  QUODOS  18.8V LIFTY COL	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	COLOR LIPO-HV HE POLYER OF CHAMPIONS  GETTS QCO	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	FERS OCC FERS	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	V198939 (***********************************	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
BAT	TTERIES BELO	W THIS LEVEL WERE APPROVED BY EFRA	FOR 2019 AND ARE A	LLOWED AT 2025 EVEN	ITS.
Associated Electrics	Reedy Zappers SG2 # 27342	1906 Janes Garden	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	LIPO BACE PACE  Allowing - spherical sections of the spherical section	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	VILLE THE ACTION OF THE ACTION	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	III AD DI A POLICE DE LA COLOR MANAGEMENT PARA PROVED	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	SECON MANUEL SECON	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	Manual Parks	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
BAT	TTERIES BELO	W THIS LEVEL WERE APPROVED BY EFRA	FOR 2018 AND ARE A	LLOWED AT 2025 EVEN	ITS.
Associated Electrics	Reedy Zappers SG # 27328	6400 / A 9999)	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	LIFO RACE FACK allicon graphone  AS LCG  STATE OF THE PACK  AS LCG  AS LCG  AS LCG  AS LCG  AS LCG  AS LCG	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	LIPO HACE PACK allicon graphene	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	OF PRINTED PROPERTY OF THE PRO	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	DESCRIPTION OF THE PARTY OF THE	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

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Nosram	Nosram P5 Offroad # 999551	PE UN OFFROAD  GRAPHENE:  SOCION HALPO MAN STAM (LHISTLI)  BOCKER HALPO MAN STAM (LHISTLI)	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	Granus OCO  Granus OCO  (CO)  (CO)  (CO)  (CO)	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	VENTAL FIA GROUP IN THE STORY OF THE STORY O	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	WILLIAM STATES OF THE PARTY OF	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	THE STATE OF THE S	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	VICTION IN THE PLANT OF THE PLA	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
BA	TTERIES BELO	W THIS LEVEL WERE APPROVED BY EFRA	FOR 2017 AND ARE A	LLOWED AT 2025 EVEN	ITS.
Intellect Battery	IP # CC4S6000HV2	LIHV GOOOMAh LIPORACE PACK CALLEGO OF A STATE OF A STAT	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	THE COLUMN CONTROL OF THE CASE	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	SPIRAL RESIDENCE STATE OF THE S	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	STATE OF SECOND	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	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	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	- CARBON PRO 110C 14.8V 45	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	PS CONTROL CON	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	THE TAX COLD BANK THE TAX TO THE TAX T	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	CONSIDER SPECIAL STREET OF STREET STR	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	1 State of the sta	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
Paul Worsley, (EFRA Battery Homologation Officer). Updated - 01.01.25. (S					(Six Pages).