



APPROVED 1S. 'STICK' Lithium (LiPo) BATTERY LIST. 2019. v1.

List shows years :- 2014 -- 2019.

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 2019 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 2019, BUT NOT ALLOWED AT EFRA 2019 EVENTS UNTIL 01.03.19. | | | | | |
| 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 |

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| 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 ALL 2019 EVENTS.

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| 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 |







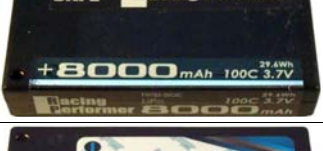



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| Neidhart SA | Orion Ultimate # ORI 14510 |  | Orion LiPo 1S 3.7v. 26.6 Wh. 120C Max charge rate: 3C 4 mm. Tubes | Sample complies with EFRA dimensions. Weights:- Sample: 140.5 g. Allowed: 136/148 g. | 18.01.18 |
| Neidhart SA | Orion Ultimate HV # 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 ALL 2019 EVENTS.





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|-------------------|---|---|--|--|----------|
| 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 |




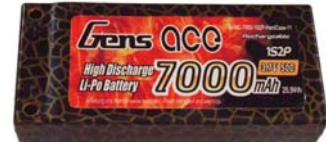


BATTERIES BELOW THIS LEVEL WERE APPROVED BY EFRA FOR 2016 AND ARE ALLOWED AT ALL 2019 EVENTS.

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| 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 |

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|------------------|--|---|--|---|----------|
| 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 ALL 2019 EVENTS.

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|-------------------|--|---|---|---|--|
| 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 |

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|-----------------------|---|---|--|---|----------|
| 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 |

BATTERIES BELOW THIS LEVEL WERE APPROVED BY EFRA FOR 2014 AND ARE ALLOWED AT ALL 2019 EVENTS.

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|-------------------------|---|---|--|--|----------|
| 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 |

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|----------------------------|------------------------------------|---|---|--|----------|
| 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 |

Paul Worsley, (EFRA Battery Homologation Officer). Updated - 16.01.19. (Six Pages).