

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 2022 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.






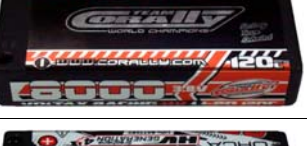
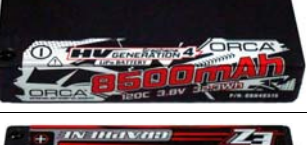
| Submitted by: | Label Details Part # | Illustration only | Manufacturer Supplied Data. | EFRA measured Specification, | Approval Date |
|---|----------------------------------|---|--|---|---------------|
| BATTERIES BELOW ARE APPROVED BY EFRA FOR 2022, BUT NOT ALLOWED AT EFRA 2022 EVENTS UNTIL 01.03.22. | | | | | |
| Absima | Absima Competition # 4150015 |  | Absima LiPo 1S 3.7v. 29.2 Wh. 140C Max charge rate: 1C 4 mm. Tubes | Sample complies with EFRA dimensions. Weights:- Sample: 144.6 g. Allowed: 141/153 g. | 03.01.22 |
| Associated Electrics | Reedy Zappers SG5 # 27386 |  | Reedy LiPo 1S 3.8v. 34.0 Wh. 90C Max charge rate: 3C 4 mm. Tubes | Sample complies with EFRA dimensions. Weights:- Sample: 152.8 g. Allowed: 146/158 g. | 03.01.22 |
| Freemax Technology | Arrowmax # AM 700305 |  | Arrowmax LiPo 1S 3.7v. 30.34 Wh. 130C Max charge rate: 1C 5 mm. Tubes | Sample complies with EFRA dimensions. Weights:- Sample: 162.9 g. Allowed: 156/170 g. | 03.01.22 |
| Intellect Pioneering Battery Technology | IP Platinum Series # CC1S8800PT2 |  | Intellect LiPo 1S 3.8v. 33.0 Wh. 120C Max charge rate: 3C 4 mm. Tubes | Sample complies with EFRA dimensions. Weights:- Sample: 152.9 g. Allowed: 146/158 g. | 03.01.22 |
| LRP | LRP G4.1 Modified # 431268 |  | LRP LiPo 1S 3.7v. 30.0 Wh. 120C Max charge rate: 3C 4 mm. Tubes | Sample complies with EFRA dimensions. Weights:- Sample: 158.4 g. Allowed: 153/165 g. | 03.01.22 |
| Nosram | Nosram G4.1 Modified # 999740 |  | Nosram LiPo 1S 3.7v. 30.0 Wh. 120C Max charge rate: 3C 4 mm. Tubes | Sample complies with EFRA dimensions. Weights:- Sample: 154.2 g. Allowed: 149/161 g. | 03.01.22 |
| Process Measurement & Analysis | Optipower # OPR 80001S130B |  | Optipower LiPo 1S 3.7v. 29.6 Wh. 130C Max charge rate: 3C 4 mm. Tubes | Sample complies with EFRA dimensions. Weights:- Sample: 145.4 g. Allowed: 141/153 g. | 03.01.22 |
| ProTek RC | ProTek RC # PTK-5105-22 |  | ProTek LiPo 1S 3.8v. 33.4 Wh. 130C Max charge rate: 3C 4 mm. Tubes | Sample complies with EFRA dimensions. Weights:- Sample: 153.1 g. Allowed: 146/158 g. | 03.01.22 |
| United Sino Enterprises | ORCA Infinite X # LP21IN1S86S |  | United Sino Ent. LiPo 1S 3.7v. 31.8 Wh. 135C Max charge rate: 1C 5 mm. Tubes | Sample complies with EFRA dimensions. Weights:- Sample: 159.1 g. Allowed: 154/166 g. | 03.01.22 |
| Trinity Revtech Epic | Trinity White Carbon #TEP2313 |  | Trinity LiPo 1S 3.7v. 29.6 Wh. 130C Max charge rate: 1C 5 mm. Tubes | Sample complies with EFRA dimensions. Weights:- Sample: 163.7 g. Allowed: 155/167 g. | 03.01.22 |
| No batteries were homologated for 2021, as batteries from 2020 were not fully utilised due to event cancellations. | | | | | |
| BATTERIES BELOW THIS LEVEL WERE APPROVED BY EFRA FOR 2020 AND ARE ALLOWED AT 2022 EVENTS. | | | | | |

| | | | | | |
|-------------------------|--|---|--|--|----------|
| Associated Electrics | Reedy Zappers SG3 # 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 2022 EVENTS.








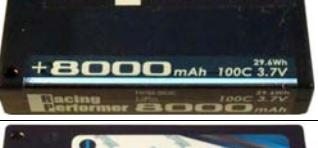



| | | | | | |
|-------------------------|---------------------------------|---|---|--|----------|
| Associated Electrics | Reedy Zappers SG2 # 27339 |  | Reedy LiPo 1S 3.8v. 26.0 Wh. 110C Max charge rate: 3C 4 mm. Tubes | Sample complies with EFRA dimensions. Weights:- Sample: 151.0 g. Allowed: 144/156 g. | 16.01.19 |
| Associated Electrics | Reedy Zappers SG2 # 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 2022 EVENTS. | | | | | |
| Associated Electrics | Reedy Zappers SG # 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 2022 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 2022 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 |

