

**EUROPEAN FEDERATION RADIO CONTROLLED AUTOMOBILES.**

**BATTERIES ON THIS HOMOLOGATION LIST HAVE BEEN CERTIFIED FOR COMPLIANCE WITH UN38.3, TESTS T1-T8.**

Lithium based (LiFe) batteries detailed below, are approved for various EFRA Electric Classes. Section Rules will detail the type applicable.

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

**It is strictly NOT ALLOWED, to charge 2S LiFe Batteries to give an output voltage exceeding 7.40v.**

Submitted by:	Label Details Part #	Illustration only	Manufacturer Supplied Data.	EFRA measured Specification,	Approval Date
<b>NO LiFe BATTERIES HAVE BEEN SUBMITTED FOR HOMOLOGATION SINCE 2013.</b>					
<b>BATTERIES ON THIS LIST WERE APPROVED BY EFRA IN YEARS 2010 - 2013 AND ARE ALLOWED AT ALL 2024 EVENTS.</b>					
Graupner	GM V-MAXX. # 99080		GM LiFe 2S 6.6v. 33.0 Wh. 40C Wt. 278/302 g.	Complies with EFRA. specified dimensions.  Wt. 290.3 g.	02.01.13
ORION	ORION Carbon. # ORI15012		Orion LiFe 2S 6.6v. 3800. 60C	Length: 138.51 mm. Width: 46.49 mm. High: 24.75 mm. Wt. inc. wire 286.8 g.	17.01.10
Graupner	GM V-MAXX. # 98973		GM LiFe 2S 6.6v. 4000. 35C 1 off tube 3.5mm. Case Black or C/Fibre.	Length: 137.10 mm. Width: 46.31 mm. High: 24.95 mm. Wt. 281.0 g.	17.01.10
Associated Electrics	Reedy # 723		Reedy LiFe 2S 6.6v. 4000 mah. 30C	Length: 136.89 mm. Width: 44.81 mm. High: 23.25 mm. Wt. 268.0 g	17.01.10
Intellect Battery	IP EV Technology # FR2S4000V3		Intellect LiFe 2S 6.6v. 4000 mah. 35C	Length: 137.11 mm. Width: 46.31 mm. High: 24.83 mm. Wt. 280.6 g.	17.01.10
Moore-Speed	Moore-Speed. # MS-B6601		Moore-Speed LiFe 2S 6.6v. 4000 mah. 70C	Length: 138.50 mm. Width: 46.38 mm. High: 24.78 mm. Wt. inc. wire 260.1 g	17.01.10