

Warning Safety Precautions

1. Never charge Lithium Phosphate cells/packs at any rate unattended.
2. Only charge Lithium Phosphate cells/packs with a charger designed specifically for Lithium Phosphate chemistry.
3. Always use the correct charging voltage. Lithium Phosphate cells run nominally at 6.6 volts, full charge on a 2S Lithium Phosphate pack is 7.5volts
4. Always ensure the charger is working properly.
5. Always charge Lithium Phosphate cells/packs where no harm can result.
6. Never charge a cell/pack in a model.
7. Never charge a cell/pack inside a motor vehicle, or in a vehicle's engine compartment.
8. Never charge a cell/pack on a wooden workbench, or on any flammable material.
9. If a cell/pack is involved in a crash:
 - a. Remove the cell/pack from the model.
 - b. Carefully inspect the cell/pack for shorts in the wiring. If in doubt, cut all wires from the cell/pack.
 - c. Disassemble the pack.
 - d. Inspect cells for dents, cracks and splits. Dispose of damaged cells (see below).
10. Dispose of cells/packs as follows:
 - a. Discharge: with the cell/pack in a safe area if possible. In the United States, many areas and jurisdictions allow discharged Lithium Phosphate batteries to be disposed of in normal trash. However, it is the end users' responsibility to ensure disposal in normal trash is permissible. Users should contact their municipal waste disposal facility prior to discarding any used battery in normal trash.
12. Handle all cells/packs with care, as they can deliver high currents if shorted.
13. Always store cells/packs in a secure location where they cannot be shorted or handled by children.
14. When constructing a pack, use only cells of the same capacity (mAh).

Basic Charging Instructions

1. All FROMECO Lithium Phosphate packs **must** be charged with a Lithium Phosphate charger set to "2 series" or "6.6

volts", this includes the 4 6 8 cell 2400/3600/3800mAh packs.

2. After charging, FROMECO receiver packs **must not** exceed 7.2 volts
3. FROMECO packs should be charged at temperatures above 50F (10C)
4. Do not store lithium packs at temperatures above 140F (60), because cells may degrade.

When to Recharge

Due to the very low impedance of the Iron Corps brand of cells both A123™ and Iron Corps house brand, these batteries can not be load checked effectively. It is recommended that pilots pay close attention to number of flights and recharge early, and regularly.

Storage

For prolonged storage, more than 2 months. Fromeco recommends that packs be discharged to a voltage of 6.6-6.4VDC. For best results batteries should be stored in a cool dry place preferably 35 to 40deg. F.

Fromeco Reliaswitch Warning

Reliaswitches do draw power in the off position, it is highly recommended by Fromeco that you do not leave your Super Regulated Reliaswitches connected (even in the OFF position) to Lithium Phosphate or any Lithium technology for longer than a 2 week period of time.

Up-Keep

It is imperative that you routinely do a discharge capacity tests on this chemistry (LiFePO4) of battery. This will ensure you know your Aircraft flight time limits. This type of testing should be done at least every 3 months. Failure to do so could result in a crash.

~2S Packs should be discharged to 5.5VDC @ a rate of .5C. (1200mA Pack this would be 600mA rate, 2400mA pack this would be 1200mA)

~Charge Rate for capacity test should be no more than 1C, (1200mA pack is a charge rate of 1200mA) **lower charge rates will produce better results.

~Iron Corps Max Charge Rate is 2C

~Iron Corps Extreme Max Charge Rate is 4C * A123 battery Manufacturers specification.

Fromeco Scale Avionics LLC® warrants that at the time of shipment and for a period of ninety (90) days thereafter the Product (Fromeco Scale Avionics LLC® Iron Corps, Iron Corps Extreme Lithium Phosphate Batteries) shall conform to the functional description contained herein, and shall be free from defects in workmanship. If any defect within this warranty appears, the Purchaser shall notify FROMECO immediately. Buyer's sole and exclusive remedy in the event of a defect is expressly limited to (at Fromeco Scale Avionics LLC® sole election) correction of the defect by replacement or issuance of credit in the amount of the price of the Product, for any Product which proves defective within the above warranty. The foregoing warranties are the sole and exclusive warranties made by Fromeco Scale Avionics LLC®. THESE WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. In no event shall Fromeco Scale Avionics LLC® be liable to Purchaser, end user, or any other party or individual for any incidental, special or consequential damages of any nature that are or could be attributable to the product. Fromeco Scale Avionics LLC® maximum liability shall not exceed the purchase price of the Product under this agreement. Use of the Product by Purchaser shall constitute Purchaser's acceptance of these terms.