



LiPo/LiFe BATTERY APPROVAL – Revised August 2010

Battery packs using Lithium Polymer (LiPo) or Lithium Iron Phosphate (LiFe) type cells may be used in ROAR racing classes after approval by the ROAR Technical Director.

The battery manufacturer/supplier must complete sections of this application form identifying the battery name, type, part number, manufacturer of final product, cell manufacturer, battery pack capacity, and battery pack voltage.

- If this is a New Submission, The battery manufacturer/supplier must submit four (4) identical battery packs to the ROAR Designated Lithium Polymer / Lithium Iron Phosphate battery test laboratory along with the original of the completed form. Three of the packs will be subjected to destructive testing and the fourth will be held by ROAR in the battery archive.
- Previously Approved Batteries, which may have a running change or re-branding, only require one (1) sample be supplied for review. Include the Product Information which it is representing. No Fee is required for Sample Review.
- The address of the ROAR Designated test laboratory is:
ROAR Li-Poly LiFe Battery Test Lab
Attention: Ling-Kang Tong
38850 Altura Street
Freemont, CA 94536
- The battery manufacturer must submit a Certification of Compliance of the cells used in the battery pack as it applies to United Nations Recommendations on the Transport of Dangerous Goods, Manual of Test and Criteria (ST/SG/AC.10.1 1/Rev.4), if one is available from the cell manufacturer. The certification should at a minimum identify that the cells comply with UN T1 through T8 of the previously stated document. The Certification of Compliance shall be included with the battery packs that are shipped to the designated ROAR Li-Poly LiFe battery test laboratory. This requirement may be omitted if a Certificate of Compliance is not available.
- A check in the amount of \$250.00 shall be included in the package containing the battery packs that go to the ROAR Lithium Polymer battery test laboratory. These funds pay for the cost of performing the tests required for battery pack approval. The check should be written to: Ling-Kang Tong.
- The ROAR Designated Battery test laboratory will inform the ROAR Technical Director of the results of each approval application. The ROAR Technical Director will inform the ROAR Administrator of the passing battery packs for inclusion in the Approved Battery List on the ROAR website. The ROAR Technical Director will inform the manufacturers of failed battery packs and establish a plan for gaining approval. This plan, will at a minimum, require additional testing to show compliance to the ROAR acceptance tests.
- 8.3.1.5 Battery approvals will be processed on a tri-yearly basis. All proposed cells must be received by the ROAR Technical Director (NIMH or NICD) or the LiPo/LiFe INSPECTION LAB by the 1st of January 1st for February Approval; April 1st for May Approvals; and August 1st for September Approval. The final decisions on approvals will be communicated to the manufacturer/distributor/ assembler by the ROAR Technical Director or ROAR President and posted on the approval list on the website. All batteries must be submitted by ROAR Industry Affiliates.
- See section 8.3. of the ROAR Rulebook for battery requirements and additional information.
- ROAR also requires each battery manufacturer/supplier must be an ROAR Industry Affiliate prior the approval being posted on the ROAR website.

[Link to ROAR Website Industry Affiliation paperwork.](#)



For Manufacturer/Supplier Use

| | | |
|---|----------------|------------------|
| ** NEW SUBMISSION (4 Samples) | YES / NO | |
| | YES / NO | |
| ** PREVIOUS APPROVAL REVIEW (1 Sample) | Orig Pack Name | Orig Pack Part # |
| ** Battery Pack Manufacturer/Supplier: | | |
| ** Address | | |
| ** City | **St | **ZIP |
| ** Phone | **E | mail |
| * * Contact Person Name & Number if different | | |
| ** Battery Pack Name | ** Part Number | |
| ** Battery Type | ** Capacity | ** Pack Voltage |
| ** Cell Manufacturer | | |
| ** Required Data (forms will be returned if incomplete) | | |

For ROAR Use Only

| | | |
|---|-----------|----------|
| Did the manufacturer/supplier provide four (4) battery packs? | Yes | No |
| Is the manufacturer/supplier section above completely filled out? | Yes | No |
| Did the manufacturer/supplier provide a Certificate of Compliance? | Yes | No |
| Did the supplied pack(s) pass the Impact/Drop Test? | Yes _____ | No _____ |
| Did the supplied pack(s) pass the Overcharge Test? | Yes | No |
| <i>(not performed if Certificate of Compliance provided)</i> | | |
| Did the supplied pack(s) pass the External Short Test? | Yes _____ | No _____ |
| DISPOSITION OF TESTING THE SUPPLIED PACKS: PASS _____ FAIL _____ | | |

Comments:

Signed (test technician): _____ Date: _____