

FAT SHARK

RC VISION SYSTEMS



Fat Shark Specification Document

Model Number: FSV1803
Model Name: 7.4V, 1800mAh Headset Battery w/ LED Indicator
Document Revision/Date: Rev C / 08.04.2016

Product Description:

The Fat Shark 7.4V 1800mAh battery pack features a high capacity 7.4V 1800mA LiPo pack, battery charge level indicator with LED, low voltage cell and short-circuit protection and internal cell balancing circuitry. The balance lead on this battery pack is used as accessory lead for powering the optional fan plate and it **should NOT be used as a balance charge lead**. The battery also features an anti-slip shape to ensure secure fitting in headset head strap loop.

Specifications:

- Type: Lithium Polymer, 7.4V (2S), 1800mAh, 1C
- LED Indicator:
 - 1st light out: Approx.190 min left
 - 2nd light out: Approx.80 min left
 - 3rd light out: Approx.20 min left
- Dimensions: 73 x 43 x 22 mm
- Weight: 89 g
- Accessory: Discharge cable adapter

Battery Charging:

This lithium polymer battery pack is equipped with an internal cell balancing circuit that allows the battery to be charged from standard RC battery chargers. Charge the battery by connecting the barrel connector via the supplied adapter cable and setting the charger for 7.4V, 1800mAh Li-Po, 1.8A (1C).

Some RC chargers require a balance lead connector to be connected to the charger, or else the charging attempt will result in an error. **The balance lead on the battery is not a true balance lead and is only used for powering the optional fan faceplate.** To charge this battery set your LiPo charger to Fast Charge mode, which usually disables the balance lead requirement (set at 7.4V – 2cell - maximum 1.8A).

On some LiPo chargers none of the above procedures will work. In that case you can set the RC charger to NiMH mode and set max charge rate to 1.8A (1C)

Note (1): In NiMH mode the charger may fail to announce completing the charge. You should be able to estimate your battery charge amount by either timing (a fully depleted battery will charge in 1 hour at 1C) or monitoring the mA charge rate on the RC charger display (will drop to almost zero as it becomes full). Remember, you can always remove the battery from the charger and depress the battery level indicator button to check the charge level.

Note (2): If battery becomes fully discharged or shorted, an internal safety circuit will trip. To reset the battery, tap 9V direct to the barrel connector via the discharge adapter cable's banana connector. This will instantly reset the battery and it can be recharged as normal.

Safety Warnings:

- DO NOT CHARGE THE BATTERY UNATTENDED
- DO NOT LEAVE THE BATTERY CONNECTED TO THE CHARGER AFTER THE CHARGE HAS BEEN COMPLETED
- REMOVE BATTERY FROM CHARGER IF CHARGING TAKES OVER 1 HOUR
- FOR MAXIMUM SAFETY ALWAYS CHARGE THE BATTERY INSIDE A LIPO SAFETY BAG
- DO NOT BALANCE CHARGE THIS BATTERY