

Fytoo DS982567

Fytoo 3.7V 1600mAh Lithium Battery User Manual

Model: DS982567 for SP600 Quadcopter

INTRODUCTION

This manual provides essential information for the safe and effective use of your Fytoo 3.7V 1600mAh Lithium Battery, specifically designed for the SP600 Quadcopter. Please read this manual thoroughly before using the battery to ensure optimal performance and safety.

SAFETY INFORMATION AND WARNINGS

Lithium Polymer (Li-Po) batteries require careful handling. Adhere to the following safety guidelines to prevent damage, injury, or fire:

- **Charge Li-Po battery with Li-Po battery charger only.** Using an incompatible charger can lead to severe damage or fire.
- **Charge the Li-Po battery on a heat-resistant surface.** Do not charge on flammable materials.
- **Inspect Li-Po battery before charging and operating it.** Discontinue use if the battery is swollen, leaking, or damaged.
- **Do not let Li-Po cells overheat at any time.** Overheating can cause irreversible damage and pose a fire risk.
- **Do not over-discharge the Li-Po battery.** Over-discharging can permanently damage the battery and reduce its lifespan.
- The battery has a built-in protection mechanism for safe charging and use. However, user vigilance is still required.

PRODUCT OVERVIEW

The Fytoo 3.7V 1600mAh Lithium Battery is a high-capacity power source designed to provide extended flight time for your SP600 Quadcopter. It features a direct-fit connector for seamless integration.



Figure 1: Front view of the Fytoo 3.7V 1600mAh Lithium Battery, showing the model number DS982567, rated capacity 1600mAh (5.92Wh), charging voltage 4.25V, and nominal voltage 3.7V.



Figure 2: Rear view of the Fytoo 3.7V 1600mAh Lithium Battery, displaying the "MADE IN CHINA" label and the micro USB charging port at the bottom.

SPECIFICATIONS

Attribute	Value
Brand	Fytoo
Model Number	DS982567
Battery Type	Lithium Polymer (Li-Po)
Voltage	3.7V (Nominal)

Capacity	1600mAh
Charging Voltage	4.25V
Battery Cell Composition	Manganese
Item Weight	2.08 ounces (approximately 50g)
Package Dimensions	4.02 x 3.19 x 1.34 inches
Recommended Use	SP600 Quadcopter Drone

SETUP AND INSTALLATION

This battery is designed for direct replacement in the SP600 Quadcopter. Ensure the drone is powered off before proceeding.

1. Locate the battery compartment on your SP600 Quadcopter. Refer to your drone's user manual for specific instructions on accessing the compartment.
2. Carefully remove the existing battery, if any.
3. Align the Fytoo 3.7V 1600mAh Lithium Battery with the battery compartment. The battery connector is designed to match the original battery's shape, ensuring a secure fit.
4. Gently push the battery into the compartment until it is fully seated and secured.
5. Close the battery compartment cover.

Ensure the battery is fully charged before its first use after installation.

OPERATING (CHARGING INSTRUCTIONS)

To charge your Fytoo 3.7V 1600mAh Lithium Battery:



Figure 3: The Fytoo 3.7V 1600mAh Lithium Battery connected to its dedicated USB charging cable, ready for charging.

1. Connect the provided USB charging cable to the battery's charging port (located at the bottom, as shown in Figure 2).
2. Plug the USB end of the charging cable into a compatible USB power source (e.g., computer USB port, USB wall adapter, power bank). Ensure the power source provides a stable 5V output.
3. During charging, observe the indicator light on the charging cable or charger (if applicable). The light typically indicates charging status (e.g., red for charging, green for fully charged).
4. Once the battery is fully charged, disconnect it from the charging cable and the power source. Do not leave the battery charging unattended for extended periods.

Important: Always use a charger specifically designed for Li-Po batteries and ensure it is compatible with the battery's voltage and capacity.

MAINTENANCE AND STORAGE

Proper maintenance and storage will extend the lifespan of your battery:

- **Regular Charging:** Do not allow the battery to fully discharge for extended periods. Charge it before storage if it's below 3.7V.
- **Storage Temperature:** Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures. Ideal storage temperature is around 20-25°C (68-77°F).
- **Avoid Physical Damage:** Protect the battery from impacts, punctures, and crushing.
- **Cleanliness:** Keep the battery terminals clean and free from dust or debris.
- **Disposal:** Do not dispose of Li-Po batteries in regular household waste. Recycle them at designated battery recycling centers.

TROUBLESHOOTING

If you encounter issues with your Fytoo battery, consider the following:

Problem	Possible Cause	Solution
Battery not charging	Incorrect charger, faulty cable, or power source issue.	Ensure you are using a compatible Li-Po charger and the provided USB cable. Try a different USB port or power adapter.
Short flight time	Battery not fully charged, aging battery, or drone power consumption.	Ensure the battery is fully charged before use. If the battery is old, its capacity may have degraded. Consider replacing it.
Battery swelling or overheating	Overcharging, physical damage, or internal defect.	Immediately discontinue use and charging. This indicates a serious safety risk. Dispose of the battery safely at a recycling center. Do not attempt to use or repair.

If the problem persists after trying these solutions, please contact customer support.

WARRANTY INFORMATION

Specific warranty details for this product are not provided in the general product information. For warranty inquiries, please refer to the purchase documentation or contact the seller directly.

CUSTOMER SUPPORT

For any questions or further assistance regarding your Fytoo 3.7V 1600mAh Lithium Battery, please do not hesitate to contact us. We are committed to providing excellent service.

Contact information can typically be found on your purchase receipt or through the seller's page on the platform where the product was purchased.

