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Potensic ATOM-DC

Potensic Atom Series Smart Battery User Manual

Model: ATOM-DC | Brand: Potensic

1. Introduction

This manual provides essential information for the safe and effective use of your Potensic Original Smart Battery (2230mAh), specifically designed for the Potensic Atom Series 3-Axis Gimbal Drones. This smart flight battery allows the ATOM drone to achieve a maximum flight time of 32 minutes on a single charge.





Figure 1: Potensic Atom Smart Battery

2. Setup and Charging

2.1 Charging the Battery

Before first use, fully charge the battery. Use only official Potensic charging accessories.

1. Connect the battery to a compatible Potensic charging hub or directly via its USB-C port using a suitable power adapter.
2. Ensure the charging indicator lights on the battery or charging hub illuminate, indicating charging is in progress.
3. Charging is complete when all indicator lights are solid or turn off, depending on the charger model.



Figure 2: Potensic Multi-Battery Charging Hub (sold separately)

2.2 Installing the Battery

Proper installation ensures secure connection and optimal performance.

1. Ensure the drone is powered off before inserting or removing the battery.

2. Locate the battery compartment on your Potensic Atom Series drone.
3. Align the battery with the compartment and gently push it in until it clicks securely into place.
4. To remove, press the release button(s) on the battery or drone and slide the battery out.



Figure 3: Potensic Atom vs. Atom SE Battery Comparison

3. Operating the Battery

The smart battery is designed for seamless integration with your Potensic Atom Series drone. It communicates battery status directly to the drone and remote controller.

- Always ensure the battery is fully charged before each flight for maximum endurance.
- Monitor battery levels during flight via the drone's app or remote controller display.
- Land the drone immediately if the battery level drops critically low to prevent unexpected power loss.

4. Maintenance and Storage

4.1 Battery Care

- Avoid exposing the battery to extreme temperatures (hot or cold).
- Do not puncture, drop, or disassemble the battery.
- Keep the battery contacts clean and dry. Use a soft, dry cloth to wipe them if necessary.

4.2 Storage

- For long-term storage, charge the battery to approximately 50-60% capacity.
- Store the battery in a cool, dry place, away from direct sunlight and flammable materials.
- Recharge the battery to 50-60% every three months if not used regularly to maintain battery health.

5. Troubleshooting

If you encounter issues with your Potensic Smart Battery, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Battery not charging	Loose connection, faulty charger/cable, battery too hot/cold	Check connections, try different charger/cable, allow battery to reach room temperature.

Problem	Possible Cause	Solution
Short flight time	Battery not fully charged, aged battery, extreme weather conditions	Ensure full charge, consider battery replacement if old, avoid flying in strong winds or very cold temperatures.
Battery not recognized by drone	Improper installation, dirty contacts, firmware issue	Re-insert battery firmly, clean battery contacts, update drone firmware if available.

6. Specifications

Detailed technical specifications for the Potensic Atom Smart Battery.

Feature	Detail
Model Number	ATOM-DC
Capacity	2230 mAh
Voltage	7.7 V
Energy	17.17 Wh
Battery Type	Lithium Polymer (LiPo)
Weight	3.52 ounces (approximately 100g)
Max Flight Time	Up to 32 minutes (with Atom drone)
Compatibility	Potensic Atom Series Drones Only
Product ID (from label)	DSBT02A00225001AB



Figure 4: Battery Label with Specifications

7. Warranty and Support

Potensic products come with a standard warranty. For detailed warranty information, product support, or technical assistance, please visit the official Potensic website or contact their customer service directly.

Potensic Official Website: www.potensic.com

Please retain your proof of purchase for warranty claims.

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