

- Manuals.plus /
- › Youme Power /
- › Youme 6S LiPo Battery EC5 Instruction Manual

Youme Power 2-YM6S65S60CNEC5

Youme 6S LiPo Battery EC5 Instruction Manual

MODEL: 2-YM6S65S60CNEC5 | BRAND: YOUME POWER

1. Introduction

This manual provides essential information for the safe and effective use of your Youme 6S LiPo Battery EC5. Please read these instructions thoroughly before initial use, charging, or storage to ensure optimal performance and safety.



Figure 1: Two Youme 6S LiPo Batteries with EC5 connectors, ready for use.

2. Safety Guidelines

Lithium Polymer (LiPo) batteries are powerful and can be dangerous if not handled correctly. Adhere strictly to the following safety precautions:

- **Never leave the battery unattended while charging.** Always monitor the charging process.
- Use only a **genuine brand BALANCE CHARGER** specifically designed for LiPo batteries. Do not use chargers not intended for LiPo chemistry or unverified brands.
- Store the battery in a **safety guard bag** or a fireproof container when not in use or during charging.
- Inspect the battery carefully for any damage (swelling, punctures, frayed wires, connector damage) before each use and charging. Do not use damaged batteries.
- Do not overcharge the battery. The maximum voltage per cell should not exceed 4.2V. For a 6S battery, the total voltage should not exceed 25.2V.
- Do not over-discharge the battery. The minimum voltage per cell should not fall below 3.2V. For a 6S battery, the total voltage should not fall below 19.2V. Over-discharging can permanently damage the battery.
- If the battery runs out during use, immediately disconnect it from the Electronic Speed Controller (ESC) or device.
- If a new battery does not hold a full charge or loses charge quickly, use a balance charger to charge and discharge it several times to cycle it.

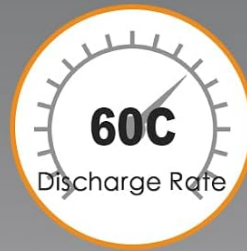
- Avoid exposing batteries to extreme temperatures, direct sunlight, or moisture.
- Keep batteries away from children and pets.

3. Product Specifications

The Youme 6S LiPo Battery EC5 is engineered for high performance and durability. Below are its detailed specifications:

Feature	Specification
Brand	Youme
Material	Li-Polymer
Cells	6S
Voltage	22.2V
Capacity	6500mAh
Discharge Rate	60C
Charge Plug	JST-XH
Discharge Plug	EC5
Suggested Charge Rate	0.5C-1C (3.25A-6.5A)
Silicone Wire	10AWG Soft and Flexible Low Resistance Silicone Wire
Dimension (L*W*H)	155*50*58mm (±3mm) / 6.10*1.97*2.28inch
Approx. Weight	835g (±15g) / 1.84lb / 29.45oz
Certificates	CE, ROHS, MSDS, UN38.3

BATTERY PARAMETERS



JST-XHR-7P



10AWG Solid
Copper Wire



Soft Case

Figure 2: Detailed dimensions and specifications of the Youme 6S LiPo battery.

4. Setup

Before the first use, ensure your battery is properly prepared:

1. **Initial Inspection:** Carefully unbox the battery and inspect it for any physical damage.
2. **First Charge:** Connect the battery to a compatible LiPo balance charger using the JST-XH balance plug and the EC5 discharge plug. Charge the battery at the suggested rate (0.5C-1C) until fully charged.
3. **Voltage Check:** After charging, use a LiPo checker to verify that all cells are balanced and at 4.2V.

PACKING DETAILS



Packaging



Instructions



AB Clip Buckle



Figure 3: Packaging contents including the battery, instructions, and AB clip buckle.

5. Operating Instructions

To operate your RC model with the Youme 6S LiPo battery:

1. **Installation:** Securely install the battery in your RC model, ensuring it is properly balanced for flight or operation.
2. **Connection:** Connect the EC5 discharge plug to your model's ESC.
3. **Usage:** Operate your RC model as intended. Monitor battery voltage during use, especially if your model has telemetry.
4. **Discharge Limit:** Avoid discharging the battery below 3.2V per cell to prevent irreversible damage and ensure battery longevity.

6. Maintenance and Storage

Proper maintenance and storage are crucial for extending the lifespan of your LiPo battery:

- **Storage Voltage:** For long-term storage, charge or discharge the battery to its storage voltage, typically 3.8V-3.85V per cell.
- **Cool, Dry Place:** Store batteries in a cool, dry environment, away from direct sunlight, heat sources, and flammable materials.
- **Regular Checks:** Periodically check stored batteries for any signs of swelling or damage.
- **Avoid Full Discharge:** Do not store batteries in a fully discharged state, as this can lead to irreversible damage.

7. Troubleshooting

If you encounter issues with your Youme 6S LiPo Battery, consider the following:

- **Battery Not Holding Charge / Quick Discharge:** If a new battery does not hold a full charge or loses charge very quickly, it may require cycling. Use a balance charger to perform several charge and discharge cycles. Ensure your charger is calibrated and functioning correctly.
- **Swelling:** If the battery appears swollen, immediately discontinue use and charging. Place it in a fireproof container and dispose of it according to local regulations for LiPo batteries. Swelling indicates internal damage and a potential fire hazard.
- **Overheating During Charge/Discharge:** If the battery becomes excessively hot during charging or use, immediately disconnect it. This could indicate an internal short or overcurrent. Review your charging settings and the current draw of your RC model.

8. Compatibility

The Youme 6S LiPo Battery is compatible with a wide range of RC models, provided the voltage, dimensions, and plug type match the requirements of your specific model. Known compatible models include:

- **1/8 Arrma RC Trucks:** Kraton 6s blx, Outcast 6s blx stunt truck, Notorious 6s 4wd blx, Talion 6s blx speed truggy, Typhon 6s blx speed buggy
- **1/7 Arrma RC Trucks:** Mojave 6s blx, Infraction street bash 6s blx, Limitless
- **Helicopters:** Align T-REX 550/ 700E F3C/ 700L/ 800E, Mikado LOGO 550 SE V2/ 550 SX V2, Compass ATOM 550 Ultimate
- **Airplanes/EDF Jets:** E-flite Beast 60e/ CZ P2 Prometheus/ Carbon-Z Cub/Carbon-Z T-28 with AS3X /Habu 32x DF, 70mm/90mm/110mm EDF
- **Multirotors:** Tarot T960 hexacopter, Freewing Me-262
- **Boats:** 42 inch catamaran

Always verify the voltage, physical dimensions, and connector type required by your specific RC model before purchasing or using this battery.

WIDE APPLICATION



Figure 4: Examples of RC models compatible with the Youme 6S LiPo battery.

9. Warranty and Support

Youme Power is committed to providing high-quality products. Our LiPo batteries feature advanced production technology and strict quality control to ensure a steady discharge curve and high discharge rate.

If you have any questions or require assistance with your Youme Power product, please contact our customer support. We aim to respond to all inquiries within 24 hours.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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