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› Youme Power 22.2V 3300mAh LiPo Battery Instruction Manual

Youme Power XT90

Youme Power 22.2V 3300mAh LiPo Battery Instruction Manual

Model: XT90

INTRODUCTION

This manual provides essential information for the safe and effective use of your Youme Power 22.2V 3300mAh 6S LiPo Battery. Designed for demanding RC applications, these batteries offer balanced power, long cycle life, and consistent run times. Please read this manual thoroughly before operation to ensure optimal performance and safety.



Image: Two Youme Power 22.2V 3300mAh 50C LiPo batteries, showcasing their compact design and XT90 connectors.

SPECIFICATIONS

Feature	Detail
Brand	Youme Power
Material	Lithium Polymer
Cell Configuration	6S
Battery Voltage	22.2V
Cell Voltage Range	3.2V - 4.2V
Capacity	3300mAh

Discharge Rate	50C
Suggested Charge Rate	0.5C-1C (1.65A-3.3A)
Charge Plug	JST-XH
Discharge Plug	XT90 Connector
Wire Gauge	10AWG Soft and Flexible Low Resistance Silicone Wire
Dimensions (L*W*H)	136*45*46mm (±3mm) / 5.35*1.77*1.81inch
Approx. Weight	490g ±15g / 1.08lb / 17.28oz
Recommended Uses	RC Hobby, RC Car, RC Buggy, RC Truck, RC Truggy, 600 size helicopter, Trex 60" Edge 570T-EXP similar size airplane (ensure voltage, weight, dimension, and plug match)

BATTERY PARAMETERS

 Battery Voltage 22.2V	 Battery Capacity 3300mAh	 Discharge Rate 50C
 Connector Type XT90	 Balancer Connector Type JST-XHR	 Cell Configuration 6S1P



Image: Detailed diagram illustrating the battery's dimensions, voltage, capacity, discharge rate, and connector types.

SETUP

1. Initial Inspection

Upon receiving your Youme Power LiPo batteries, carefully inspect them for any signs of damage, swelling, or punctures. Do not use a damaged battery.

2. Charging the Battery

Always charge your LiPo battery using a compatible balance charger. Ensure the charger is set to the correct cell count (6S) and voltage (22.2V). The suggested charge rate is 0.5C-1C (1.65A-3.3A). **Never overcharge the battery beyond 4.2V per cell (25.2V total for 6S) and never leave the battery unattended during charging.**

- Connect the XT90 discharge plug to your charger's output.
- Connect the JST-XH balance plug to the balance port on your charger.
- Initiate the charging process according to your charger's instructions.

- Always charge in a fire-safe location, preferably within a LiPo safety bag.



Image: A detailed view of the XT90 discharge connector and the JST-XH balance port, crucial for proper charging and connection.

OPERATING INSTRUCTIONS

1. Connecting to Your Device

Ensure your RC model is compatible with a 6S 22.2V LiPo battery and has an XT90 connector. Carefully connect the battery's XT90 plug to your device's power input, ensuring correct polarity. **Incorrect polarity can cause severe damage to the battery and your device.**

2. Discharge Guidelines

The battery has a 50C discharge rate, providing high power output for demanding applications. **Do not over-discharge the battery below 3.2V per cell (19.2V total for 6S).** Over-discharging can permanently damage the battery and reduce its lifespan. Monitor your device's low voltage cut-off settings or use a LiPo alarm.

3. Compatible Applications

These batteries are suitable for various RC hobbies, including RC cars, buggies, trucks, truggies, 600-size helicopters, and similar airplanes like the Trex 60" Edge 570T-EXP. Always verify that the battery's voltage, weight, dimensions, and plug type match your model's requirements.



Image: An illustration showing the wide range of RC models compatible with Youme Power high-power LiPo batteries.

Your browser does not support the video tag.

Video: An official Youme Power video demonstrating the manufacturing process and various RC applications of their LiPo batteries, including RC airplanes and cars.

MAINTENANCE AND STORAGE

1. Post-Use Care

After each use, allow the battery to cool down before recharging. Avoid leaving the battery fully charged or fully discharged for extended periods. For optimal lifespan, store LiPo batteries at a "storage voltage" (typically 3.8V-3.85V per

cell).

2. Storage

Store your LiPo batteries in a cool, dry place, away from direct sunlight and extreme temperatures. It is highly recommended to store them in a LiPo safety guard bag to minimize risks in case of an unexpected event.

3. General Safety Precautions

- Do not puncture, disassemble, or modify the battery.
- Do not expose the battery to water or fire.
- Keep batteries out of reach of children and pets.
- If the battery swells, becomes hot, or shows any signs of damage, immediately discontinue use and dispose of it properly according to local regulations.

PACKING DETAILS



Image: The product packaging, which includes the battery, its protective box, and a brief instruction sheet for initial guidance.

TROUBLESHOOTING

Common Issues and Solutions:

- **Battery Not Charging:**

Ensure all connections (XT90 and JST-XH balance plug) are secure and correctly oriented. Verify your charger settings match the battery specifications (6S, 22.2V). Try a different charging port or charger if available. Ensure the battery is not severely over-discharged (below 3.2V per cell) as some chargers may refuse to charge such batteries for safety reasons.

- **Reduced Run Time/Capacity:**

LiPo batteries can experience reduced capacity over time, especially with improper charging/discharging practices or if stored incorrectly. Ensure you are not over-discharging the battery. Some users report that new batteries may require a few charge/discharge cycles to reach their full advertised capacity. Always use a balance charger to maintain cell health.

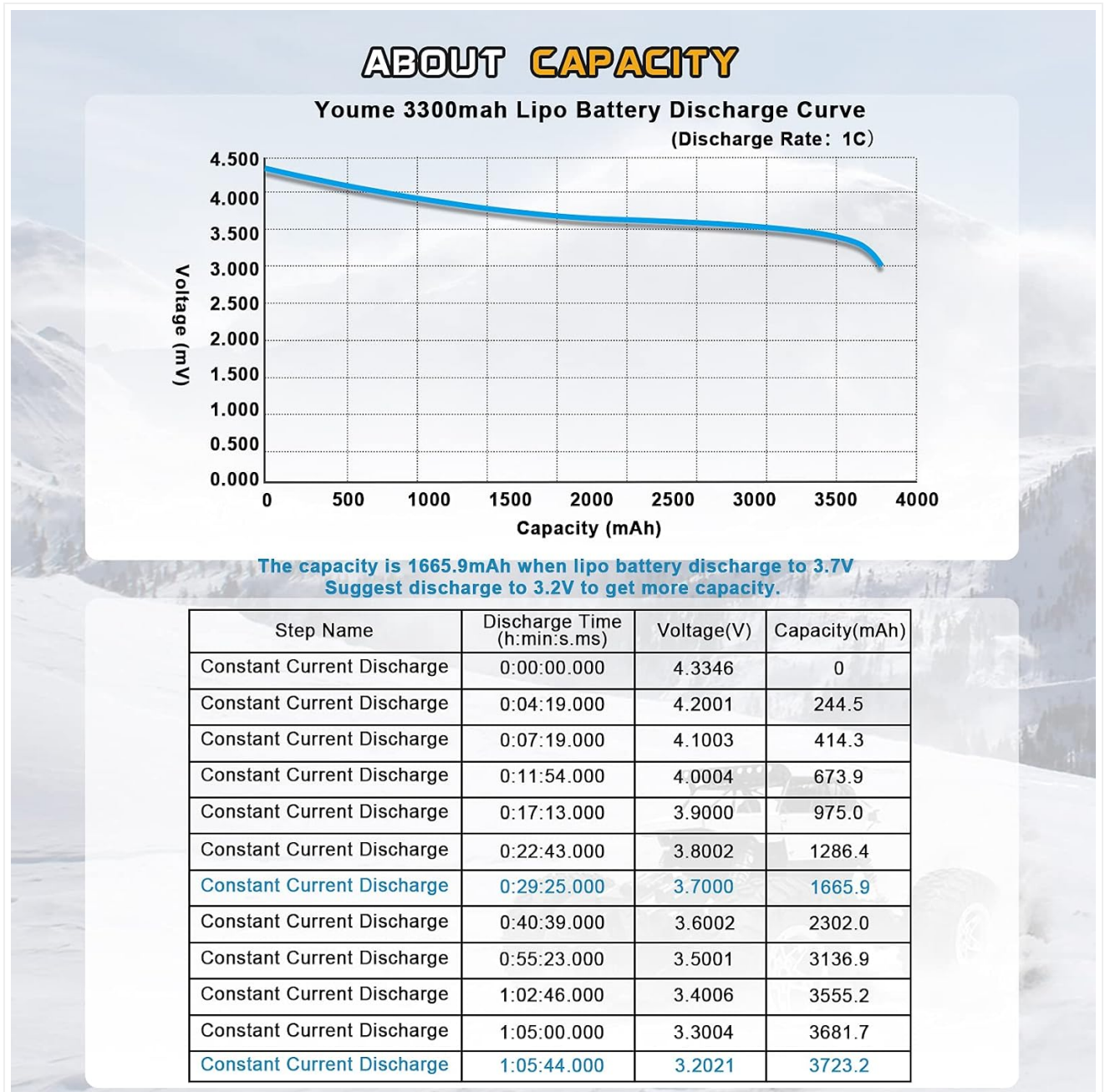


Image: A discharge curve graph for the Youme 3300mAh LiPo battery, providing insights into its capacity performance under discharge.

- **Battery Swelling:**

Battery swelling is a serious safety concern. Immediately discontinue use and safely dispose of the battery. Swelling is often caused by overcharging, over-discharging, physical damage, or excessive heat. Never attempt to charge or use a swollen battery.

WARRANTY AND SUPPORT

Youme Power is committed to providing high-performance LiPo batteries. If you encounter any questions or issues with your product, please contact our customer support team. You can reach us by entering "Your Orders" on Amazon for assistance or by sending an email to our after-sales mailbox. We aim to reply within 24 hours.

For information regarding product protection plans, please refer to the details provided at the time of purchase or on the product listing page.

ASK A QUESTION ABOUT THIS MANUAL

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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.

Submit question