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Youme Power 2-YM4S33S50CNTP-EU

Youme Power 14.8V 3300mAh 4S LiPo Battery Instruction Manual

Model: 2-YM4S33S50CNTP-EU

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Youme Power 14.8V 3300mAh 4S LiPo Battery. Please read all instructions carefully before use to ensure optimal performance and safety.



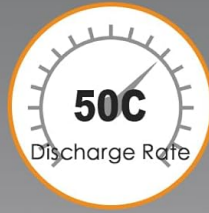
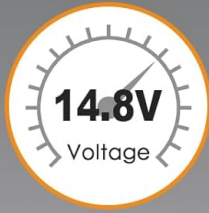
Figure 1: Two Youme Power 14.8V 3300mAh 4S LiPo batteries.

2. SPECIFICATIONS

The Youme Power 14.8V 3300mAh 4S LiPo Battery is designed for high-performance RC applications. Key specifications are detailed below:

- **Material:** Li-Polymer
- **Cells:** 4S
- **Voltage:** 14.8V
- **Capacity:** 3300mAh
- **Discharge Rate:** 50C
- **Voltage per Cell:** 3.7V (nominal)
- **Charge Plug:** JST-XH Plug
- **Discharge Plug:** T-Plug
- **Suggest Charge Rate:** 0.5C-1C (1.65A-3.3A)
- **Silicone Wire:** 10AWG
- **Dimensions:** 136 x 45 x 32mm (± 3 mm) / 5.35 x 1.77 x 1.26 inches
- **Approx Weight:** 335g ± 15 g / 0.74lb / 12.82oz
- **Certificate:** CE, ROHS, MSDS, UN38.3

BATTERY PARAMETERS



Weight :335g/0.74lb/12.82oz



JST-XHR-5P



Deans T



10AWG Solid
Copper Wire

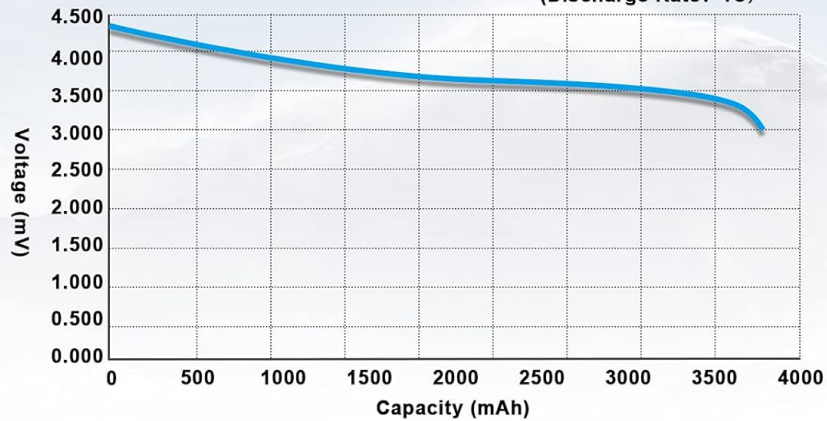


Soft Case

Figure 2: Detailed battery parameters and dimensions.

ABOUT CAPACITY

Youme 3300mah Lipo Battery Discharge Curve
(Discharge Rate: 1C)



The capacity is 1665.9mAh when lipo battery discharge to 3.7V
Suggest discharge to 3.2V to get more capacity.

Step Name	Discharge Time (h:min:s.ms)	Voltage(V)	Capacity(mAh)
Constant Current Discharge	0:00:00.000	4.3346	0
Constant Current Discharge	0:04:19.000	4.2001	244.5
Constant Current Discharge	0:07:19.000	4.1003	414.3
Constant Current Discharge	0:11:54.000	4.0004	673.9
Constant Current Discharge	0:17:13.000	3.9000	975.0
Constant Current Discharge	0:22:43.000	3.8002	1286.4
Constant Current Discharge	0:29:25.000	3.7000	1665.9
Constant Current Discharge	0:40:39.000	3.6002	2302.0
Constant Current Discharge	0:55:23.000	3.5001	3136.9
Constant Current Discharge	1:02:46.000	3.4006	3555.2
Constant Current Discharge	1:05:00.000	3.3004	3681.7
Constant Current Discharge	1:05:44.000	3.2021	3723.2

Figure 3: Battery discharge curve and capacity data.

3. SAFETY INSTRUCTIONS

WARNING: Lithium Polymer (LiPo) batteries can be dangerous if not handled correctly. Failure to follow these safety instructions may result in fire, personal injury, or property damage.

- Use only a genuine brand BALANCE CHARGER specifically designed for LiPo batteries.
- NEVER leave the battery unattended while charging.
- Do not overcharge the battery beyond 4.2V per cell.
- Do not over-discharge the battery below 3.2V per cell.
- Always store the battery in a safety guard bag or a fire-resistant container.
- Check the battery condition carefully before using or charging. Discontinue use if the battery shows signs of heating, deformation, leakage, gas venting, or smoking.
- If battery fluid comes into contact with eyes, wash immediately with clean water and consult a doctor.
- Remove the battery from devices when not in use.
- Keep batteries away from children and pets.

PACKING DETAILS

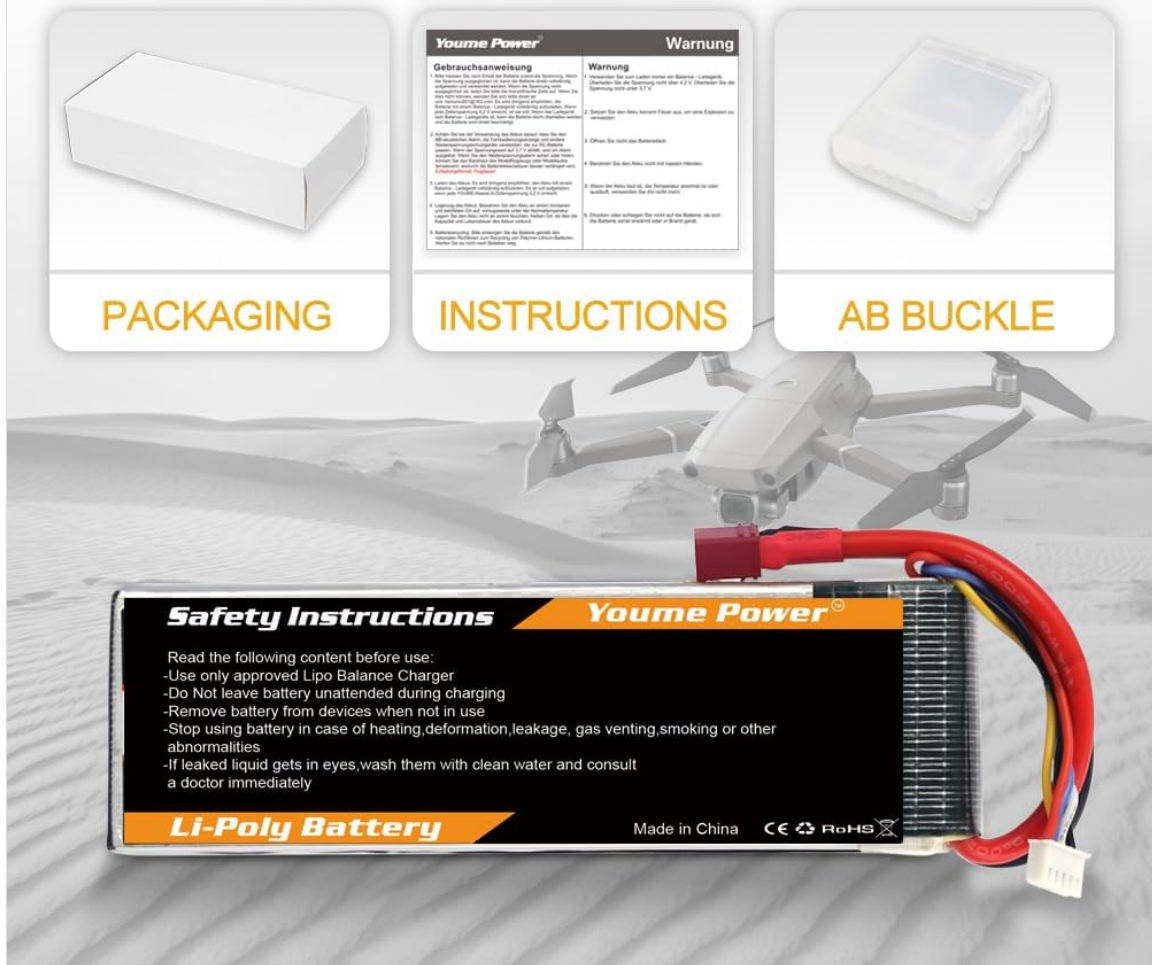


Figure 4: Packaging and safety instructions label on the battery.

4. SETUP AND CONNECTION

Follow these steps to properly connect your LiPo battery to your RC model:

1. Ensure your RC model's power is turned OFF.
2. Carefully place the LiPo battery into the designated battery compartment of your RC model.
3. Secure the battery to prevent movement during operation.
4. Connect the T-plug discharge connector from the battery to the Electronic Speed Controller (ESC) of your RC model. Ensure the polarity is correct.
5. Connect the JST-XH balance plug to your balance charger for charging, or to a voltage checker to monitor cell voltage.



Figure 5: Step-by-step guide for connecting the battery.

5. CHARGING

Proper charging is essential for the longevity and safety of your LiPo battery:

- Always use a dedicated LiPo balance charger.
- Connect the main discharge plug (T-plug) and the balance plug (JST-XH) to the charger.
- Set the charger to the correct battery type (LiPo), cell count (4S), and charging current. The suggested charge rate is 0.5C-1C (1.65A-3.3A).
- Monitor the charging process and never leave the battery unattended.
- Charging should stop automatically when the battery reaches its full voltage (4.2V per cell).

6. OPERATION

When operating your RC model with the Youme Power LiPo battery, observe the following guidelines:

- Ensure the battery is securely mounted in your RC model to prevent shifting during maneuvers.
- Monitor the battery voltage during use. Avoid discharging below 3.2V per cell to prevent irreversible damage and maintain battery lifespan.
- If the battery runs out during operation, immediately disconnect it from the Electronic Speed Controller (ESC).
- The battery is designed for high burst discharge, providing steady power for demanding RC applications.

7. MAINTENANCE AND STORAGE

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

- For long-term storage, charge or discharge the battery to its storage voltage, typically around 3.8V per cell. This prevents degradation.
- Store batteries in a cool, dry place, away from direct sunlight, heat sources, and flammable materials.
- Always store LiPo batteries in a fire-resistant LiPo safety bag or container.
- Regularly inspect batteries for any physical damage, swelling, or signs of leakage.

Video 1: This video demonstrates checking battery voltage for storage and discusses the importance of proper storage to prevent battery bloating. It also provides physical measurements of the battery.

8. TROUBLESHOOTING

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

- **Battery Not Charging:** Ensure all connections are secure and your charger settings (LiPo, 4S, current) are correct. Check for any damage to the battery or charger.
- **Reduced Run Time:** This could indicate an aging battery, improper charging, or over-discharge. Ensure you are not discharging below 3.2V per cell.
- **Battery Swelling/Bloating:** This is a serious safety concern. Immediately discontinue use, place the battery in a fire-resistant container, and dispose of it properly according to local regulations. Swelling is often caused by over-discharge, overcharge, or improper storage.
- **Overheating:** If the battery becomes excessively hot during charging or discharge, immediately disconnect it and allow it to cool in a safe, non-flammable area. Overheating can lead to fire.

9. COMPATIBLE RC MODELS

This 14.8V 3300mAh 4S LiPo battery is compatible with various RC models, provided the voltage, dimensions, and plug type match your model's requirements. Examples include:

- **RC Cars:** 1/8 & 1/10 scale models such as Slash, Slash 4x4, E-Maxx Brushless, E-Revo Brushless, Spartan models, HPI Strada XB 1/10 RTR Electric Buggy, Kyosho GP 4WD Racing Truck.
- **RC Airplanes:** AeroWorks Extra 260 Freestyle QB-L, Duraflly D.H.110 Sea Vixen EDF 1000mm, E-flite Carbon-Z Yak 54 3X, E-flite Fury 15 DF (EFL7250), E-flite Super Cub 25e (EFL4625), E-flite Super Cub 25e ARF, Flitework Red Bull PT-17 Stearman RR (FLWA4110), Hangar 9 Alpha 40 Trainer (HAN2460), Hangar 9 Christen Eagle II 90, Hangar 9 Piper J-3 Cub 40", Hangar 9 Twist 40 Version 2 (HAN2660), Multiplex Rockstar RR 41" (M264278), Sig Sbach XA-41 3D Sport EP 50", Sig T-Clips 60"S, Taufenbiel Red Bull Edge 540, Staufenbiel Red Bull F4U-440, Staufenbiel Red Bull F4U-4.
- **Other:** RC Helicopters, RC Boats, RC Quadcopters.

Note: Always verify the voltage, dimensions, and plug type of the battery against your specific RC model's requirements before purchase and use.



WIDE APPLICATION

The advertisement features a collage of four images: a red and white RC car on a desert dune, a yellow and black RC helicopter in flight, a blue and white RC speedboat on the water, and a yellow and black RC tank on a desert dune. Below these images is a Youme Power Li-Poly Battery. The battery is black with orange and white text. It has a red and black plug. The text on the battery includes: "Youme Power", "Li-Poly Battery", "3300mAh 50C", "More Power More Fun", "7.4v", "11.1v", "14.8v", "18.5v", "22.2v", "Made in China", and "CE RoHS".

Fit for most of 1/10 and 1/8 RC Car, Truck, Truggy, Buggy, Vehicles, Tank

Figure 6: Wide application of the Youme Power LiPo battery across various RC models.

10. WARRANTY AND SUPPORT

For warranty information, technical support, or any questions regarding your Youme Power LiPo battery, please contact the manufacturer directly through their official website or the retailer where the product was purchased. Youme Power is committed to providing quality products and customer service.

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