

AOLIKES 18650 2s1p Batterie

AOLIKES 18650 2s1p 2600mAh 7.4V Rechargeable Lithium-ion Battery User Manual

Model: 18650 2s1p Batterie | Brand: AOLIKES

1. INTRODUCTION

Welcome to the user manual for your AOLIKES 18650 2s1p 2600mAh 7.4V Rechargeable Lithium-ion Battery. This manual provides essential information for safe and effective use of your battery pack. Please read it thoroughly before initial use.

Package Contents

- 1 x 7.4V 2600mAh Li-ion Battery Pack with XH2.54/3p Plug Connector

2. IMPORTANT SAFETY INFORMATION

Read all safety warnings and instructions carefully before using this product. Failure to follow these instructions may result in electric shock, fire, or serious injury. Keep this manual for future reference.

- **Polarity Check:** Always verify the polarity of the battery pack with your device's requirements before connection. The red wire typically connects to the positive terminal (+), the black wire to the negative terminal (-), and the yellow (or white) wire to the NTC (Negative Temperature Coefficient thermistor). Incorrect connection can damage your device and the battery.
- **Protection Features:** This battery includes built-in protection against over-voltage, under-voltage, over-current, overcharging, overheating, and short circuits. Do not attempt to bypass or modify these safety features.
- **Charging:** Use only chargers specifically designed for 7.4V lithium-ion battery packs with a limited charge voltage of 8.4V.
- **Storage:** Store the battery in a cool, dry place away from direct sunlight, heat sources, and flammable materials.
- **Disposal:** Dispose of batteries according to local regulations. Do not dispose of in household waste or fire.

- **Damage:** Do not use the battery if it shows any signs of damage, swelling, leakage, or unusual odor.
- **Children:** Keep out of reach of children.



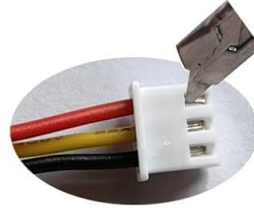
Safety Warning

Check the battery voltage before use; the polarity must be consistent with that of the original battery. Incorrect voltage or reversed polarity may damage your device.

Guidelines for swap connector wires

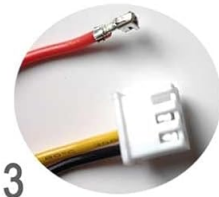


1



2

Press down the metal barb with a sharp object.



3

Pull the wire out



6

Repair metal barb

4



5

Swap the other wires using the same method.

Image showing a safety warning icon and text emphasizing checking battery voltage and polarity before use, and guidelines for swapping connector wires.

3. SETUP AND INSTALLATION

Connecting the Battery

Before connecting the battery pack to your device, ensure the device is powered off.

1. Carefully align the XH2.54/3p connector of the battery pack with the corresponding port on your device.
2. Gently push the connector into place until it is secure.
3. **Crucial Safety Tip:** Compare the polarity of this new battery pack with your device's original battery or wiring diagram. The standard configuration is Red for Positive (+), Black for Negative (-), and Yellow (or White) for NTC.

Adjusting Connector Wiring (If Necessary)

If the polarity of the new battery's connector does not match your device's requirements, you may need to swap the wire positions within the connector. Proceed with caution and refer to the image below.

1. Identify the wire(s) that need to be repositioned.

2. Using a small, sharp object (like a jeweler's screwdriver or a pin), gently press down on the metal barb inside the connector housing, adjacent to the wire you wish to remove.
3. While holding the barb down, carefully pull the wire out of the connector.
4. Once removed, gently repair or lift the metal barb slightly if it was flattened too much, to ensure it will lock into place when reinserted.
5. Reinsert the wire into the correct position in the connector until you hear or feel a click, indicating the barb has engaged.
6. Repeat for any other wires that need repositioning.
7. After re-wiring, double-check the polarity before connecting to your device.



Safety Warning

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Guidelines for swap connector wires



1



2

Press down the metal barb with a sharp object.



3

Pull the wire out



6

Repair metal barb

4



5

Swap the other wires using the same method.

Detailed visual guide showing steps to safely swap wires within the XH2.54/3p connector, including pressing down the metal barb, pulling the wire out, repairing the barb, and reinserting.



Connector specifications

XH2.54/3Pin



Left: Side view of the AOLIKES 7.4V 2600mAh lithium-ion battery pack, highlighting the XH2.54/3p connector with red, black, and yellow wires.
Right: Close-up view of the XH2.54/3p connector, showing its three pins and the standard wire colors.

4. OPERATION

Charging the Battery

This 7.4V lithium-ion battery pack supports fast charging.

1. Connect the battery pack to a compatible 7.4V lithium-ion battery charger.
2. Ensure the charger's output voltage is 8.4V (limited charge voltage).
3. Follow the instructions provided with your charger for proper charging procedures.
4. Do not overcharge the battery. The built-in protection circuit will help prevent this, but it is good practice to monitor charging.

Using the Battery

The battery pack provides a nominal voltage of 7.4V and can deliver a maximum 5C output current, suitable for 8.4V power tools, mobile speakers, and other mobile devices.

1. Once connected to your device, power on the device as per its own instructions.
2. Monitor the device's performance. If you notice any unusual behavior (e.g., overheating, reduced power), disconnect the battery immediately.

5. MAINTENANCE

- **Cleaning:** Keep the battery and its connectors clean and dry. Use a soft, dry cloth to wipe away any

dust or debris.

- **Inspection:** Periodically inspect the battery pack for any signs of physical damage, swelling, or corrosion on the terminals.
- **Storage:** For long-term storage, charge the battery to approximately 50-60% of its capacity. Store it in a cool, dry environment between 0°C and 25°C (32°F and 77°F). Avoid extreme temperatures.
- **Avoid Deep Discharge:** While the battery has under-voltage protection, avoiding frequent deep discharges can prolong its lifespan.

6. TROUBLESHOOTING

If you encounter issues with your battery pack, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Battery not charging	Incorrect charger, faulty charger, deeply discharged battery, poor connection.	Ensure you are using a compatible 7.4V Li-ion charger. Check charger functionality. For deeply discharged batteries, some chargers may not initiate charging; try a specialized Li-ion recovery charger if available, or consult support. Verify secure connection.
Battery not powering device	Incorrect polarity, loose connection, device fault, battery fault.	Double-check connector polarity against device requirements. Ensure the connector is fully seated. Test the device with a known working power source. If the battery is suspected faulty, discontinue use.
Short operating time	Battery capacity degradation, high power draw from device, incomplete charging.	Ensure the battery is fully charged. Reduce device power consumption if possible. If the battery is old, its capacity may have naturally degraded.
Battery overheating	Overcharging, short circuit, excessive load, internal fault.	Disconnect immediately. Ensure proper charging. Check for short circuits in the device or battery. Reduce load. Discontinue use if overheating persists.

If problems persist after attempting these solutions, please contact customer support.

7. TECHNICAL SPECIFICATIONS

Feature	Detail
Battery Type	Lithium Ion Rechargeable Battery Pack
Battery Cell Composition	Lithium Ion
Configuration	2S1P (2 cells in series, 1 parallel)
Nominal Voltage	7.4V
Limited Charge Voltage	8.4V
Battery Capacity	2600mAh
Power	19.24Wh
Max Output Current	5C
Connector Type	XH2.54/3p
Weight	99 Grams
Model Number	18650 2s1p Batterie
Manufacturer	AOLIKES



18650 2s1p 7.4v 2600mAh Battery with XH2.54/3P Plug Connector



Front view of the AOLIKES 7.4V 2600mAh lithium-ion battery pack, showing its blue casing and label with model, capacity, and nominal voltage information.

8. WARRANTY AND SUPPORT

Warranty Information

This AOLIKES battery pack comes with a 30-day money-back guarantee. Please retain your proof of purchase for warranty claims.

Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact AOLIKES customer support through the retailer where the product was purchased.

