

## XINLANTECH XL-18650-1S4P

# XINLANTECH 18650 1S4P 10400mAh 3.7V Rechargeable Battery Pack User Manual

Model: XL-18650-1S4P

## 1. PRODUCT OVERVIEW

This manual provides essential information for the safe and effective use of your XINLANTECH 18650 1S4P 10400mAh 3.7V Rechargeable Li-ion Battery Pack.

The 3.7V 10400mAh rechargeable lithium battery pack is constructed from four balanced 2600mAh cells, resulting in a total capacity of 10400mAh. These cells are connected in parallel and spot-welded to an integrated protection circuit. This circuit offers crucial safeguards against over-voltage, under-voltage, and over-current conditions, ensuring the battery's longevity and safe operation.

The battery pack features a 5.1-inch wire length terminated with a JST 3-pin plug, designed for compatibility with specific devices.



Figure 1: Front view of the XINLANTECH 18650 1S4P 10400mAh 3.7V Rechargeable Battery Pack, showing the blue casing and product label.



Figure 2: Detailed view of the battery pack's label, displaying specifications such as model number (XL-18650-1S4P), nominal voltage (3.7V), typical capacity (10400mAh), and safety certifications.

## 2. SAFETY INFORMATION

**WARNING: Read all safety warnings and instructions before using this product. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.**

- Do not disassemble, open, or shred battery pack.
- Do not expose battery pack to heat or fire. Avoid storage in direct sunlight.
- Do not short-circuit a battery pack. Do not store battery packs indiscriminately in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials.
- Do not subject battery pack to mechanical shock.
- In the event of a battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- Keep battery pack clean and dry.
- Do not use any charger other than that specifically provided for use with the equipment.
- Observe the plus (+) and minus (-) marks on the battery and equipment and ensure correct use.
- Do not use any battery pack which is not designed for use with the equipment.
- Keep battery pack out of the reach of children.
- Seek medical advice immediately if a cell or battery has been swallowed.
- Always purchase the correct battery for the equipment.
- Ensure the battery pack is correctly installed.
- Do not remove the battery pack from its original packaging until required for use.

- Do not use a battery pack that is damaged or appears to be damaged.

### 3. SETUP AND INSTALLATION

This battery pack is designed as a replacement for the DEKCO Solar Security Camera DL9E3CA11 Floodlight Cam SE Battery Pack.

#### Important Polarity Check:

Before replacing or using the new battery, it is crucial to compare it with the old battery and carefully check the polarity of the wires. Incorrect polarity can cause damage to the battery or the device.

**Red wire:** Connects to the power positive terminal (+).

**Black wire:** Connects to the power negative terminal (-).

If the polarity is reversed compared to your device's requirements, you will need to interchange the positions of the wires to match the correct polarity before connecting the battery.

# Batterh fit fot DEKCO SolarCam Security Camera DL9E3CA11



Figure 3: The battery pack shown in context, indicating its compatibility as a replacement for the DEKCO Solar Security Camera DL9E3CA11.

## 4. OPERATING INSTRUCTIONS

Once correctly installed, the battery pack will power your compatible device. Ensure your device's charging mechanism is functioning correctly to recharge the battery.

- Always use the charger specified by the device manufacturer for optimal charging and battery life.
- Avoid fully discharging the battery frequently, as this can reduce its overall lifespan.
- Monitor the device's battery indicator to understand the charge level.

## 5. MAINTENANCE AND STORAGE

Proper maintenance and storage can significantly extend the life of your battery pack.

- **Cleaning:** Keep the battery pack and its connectors clean and free from dust and debris. Use a dry, soft cloth for cleaning.
- **Temperature:** Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures. Ideal storage temperature is between 0°C and 25°C (32°F and 77°F).
- **Long-term Storage:** If storing the battery for an extended period, charge it to approximately 50-60% capacity. Recharge it every 3-6 months to prevent deep discharge, which can permanently damage the battery.
- **Avoid Overcharging/Over-discharging:** The built-in protection circuit helps prevent these issues, but it's good practice to avoid leaving the battery on charge indefinitely after it's full or allowing it to completely drain repeatedly.

## 6. TROUBLESHOOTING

If you encounter issues with your battery pack, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Battery not charging	Incorrect connection, faulty charger, or damaged battery.	<ol style="list-style-type: none"><li>1. Verify polarity and connection to the device/charger.</li><li>2. Test with a known good charger (if applicable).</li><li>3. Inspect battery for visible damage.</li></ol>
Device not powering on	Battery not installed correctly, battery discharged, or device issue.	<ol style="list-style-type: none"><li>1. Ensure battery is fully charged and correctly installed.</li><li>2. Check device's power button/switch.</li><li>3. Confirm device compatibility with this battery model.</li></ol>

Problem	Possible Cause	Solution
Short battery life	Aging battery, frequent deep discharges, or high power consumption by device.	<ol style="list-style-type: none"> <li>1. Ensure proper charging cycles.</li> <li>2. Reduce device usage that consumes high power.</li> <li>3. Consider battery replacement if it's old.</li> </ol>

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

## 7. PRODUCT SPECIFICATIONS

The following are the technical specifications for the XINLANTECH 18650 1S4P 10400mAh 3.7V Rechargeable Battery Pack:

- **Battery Type:** Rechargeable Li-ion battery pack
- **Battery Capacity:** 10400mAh
- **Power:** 38.48Wh
- **Nominal Voltage:** 3.7V
- **Limit Charge Voltage:** 4.2V
- **Cutoff Discharge Voltage:** 2.85V
- **Maximum Charging Current:** 0.5C
- **Maximum Discharge Current:** 5.2A
- **Weight:** Approximately 192 grams (0.42 lb)
- **Wire Length:** 5.1 inches with JST 3-pin plug
- **Dimensions (Package):** 2.99 x 2.76 x 0.79 inches
- **Manufacturer:** XINLANTECH
- **ASIN:** B0D8QMHD FK



Figure 4: The product packaging, displaying the model number XL-18650-1S4P and other identifying information.



Figure 5: The reverse side of the product packaging, showing manufacturer contact details and EU representative information.

## 8. WARRANTY AND SUPPORT

This product is manufactured by XINLANTECH. For any warranty claims, technical support, or inquiries

regarding the product, please contact the manufacturer directly.

Please refer to the product packaging or the manufacturer's official website for the most current contact information and warranty terms.

**Manufacturer:** XINLANTECH

**ASIN:** B0D8QMHDfk

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