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## LuxZilvia BPX345-6741-14.76

# LuxZilvia Original Matrice 4 Series Battery User Manual

Model: BPX345-6741-14.76

## INTRODUCTION

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This manual provides essential instructions for the safe and efficient use of your LuxZilvia Original Matrice 4 Series 99Wh High-Capacity 6741 mAh Battery, designed for DJI Matrice 4T/4E Drones. Please read this manual thoroughly before first use to ensure proper operation and longevity of your battery.

## SAFETY INFORMATION

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**WARNING:** Failure to follow these safety instructions may result in fire, injury, or damage to the battery or drone.

- Do not disassemble, puncture, impact, or short-circuit the battery.
- Keep the battery away from heat sources, direct sunlight, and flammable materials.
- Do not immerse the battery in water or other liquids.
- Store the battery in a cool, dry place, away from children and pets.
- If the battery shows signs of swelling, leakage, or damage, discontinue use immediately and dispose of it properly.
- Only use the specified charging equipment (DJI Matrice 4 Series Charging Hub) to charge the battery.
- Do not charge the battery unattended.

## SETUP

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### 1. Initial Inspection

Upon receiving your battery, carefully inspect it for any signs of physical damage. If any damage is observed, do not use the battery and contact customer support.

### 2. First Charge

Before first use, fully charge the battery using the DJI Matrice 4 Series Charging Hub. Refer to the charging hub's manual for detailed charging instructions.

### 3. Battery Installation

Ensure the drone is powered off before installing or removing the battery. Align the battery with the battery compartment on your DJI Matrice 4T/4E drone and gently push until it clicks securely into place. Refer to your drone's user manual for specific installation procedures.



Figure 1: Top view of the LuxZilvia Matrice 4 Series Battery. Note the connection points and release mechanism.

## OPERATING INSTRUCTIONS

### 1. Charging the Battery

Always use the official DJI Matrice 4 Series Charging Hub to charge this battery. Connect the battery to the charging hub and plug the hub into a power source. The charging hub will indicate the charging status. The recommended charging temperature is 5° to 40° C (41° to 104° F).



## 2. Powering On/Off

To power on the drone with the battery installed, press the power button once, then press and hold it for two seconds. To power off, repeat the same procedure.

## 3. Flight Performance

The 99Wh high-capacity battery provides up to 49 minutes of flight time or 42 minutes of hover time for the DJI Matrice 4 series drones. Actual flight time may vary based on environmental conditions, flight mode, payload, and drone settings. Always monitor the battery level via the drone's application during operation.

*Note:* Battery life test conditions were conducted in a windless environment with obstacle avoidance, RTK, GNSS enhancement, visual positioning, AI recognition, auxiliary imaging, and laser ranging functions turned off. The camera was set to 3× transmission mode with video recording, Night Scene Mode, infrared super-resolution, and Electronic Dehazing functions turned off. The maximum flight time was measured at sea level while flying forward at 9 m/s until the battery reached 0%. This value is for reference only. Always pay attention to app reminders during actual operation.

## MAINTENANCE

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### 1. Storage

For long-term storage, it is recommended to discharge the battery to approximately 50-60% capacity. Store the battery in a cool, dry place (ideally between 20°C to 25°C or 68°F to 77°F) away from direct sunlight and extreme temperatures. Avoid storing fully charged or fully discharged batteries for extended periods.

### 2. Cleaning

Wipe the battery surface with a clean, dry, soft cloth. Do not use liquid cleaners or solvents. Ensure the battery terminals are clean and free of debris to maintain good electrical contact.

### 3. Battery Care

- Avoid exposing the battery to temperatures below 5°C (41°F) or above 40°C (104°F) during charging or operation.
- Do not drop or subject the battery to severe impacts.
- If the battery is not used for an extended period, charge and discharge it once every three months to maintain its health.



Figure 3: Angled view of the battery, highlighting its robust construction and connection interface.

## TROUBLESHOOTING

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| Problem                            | Possible Cause   | Solution   |
|------------------------------------|--|--|
| Battery not charging               | Incorrect charger, poor connection, charger malfunction, battery fault.                | Ensure using DJI Matrice 4 Series Charging Hub. Check connections. Try a different power outlet. If issue persists, contact support.       |
| Drone not powering on with battery | Battery not fully charged, battery not properly installed, battery fault, drone fault. | Fully charge the battery. Reinstall the battery securely. Test with another compatible battery if available. Refer to drone manual.        |
| Reduced flight time                | Extreme temperatures, aggressive flying, heavy payload, battery aging.                 | Operate within recommended temperature ranges. Fly conservatively. Reduce payload. Consider battery replacement if significantly degraded. |
| Battery swelling or leakage        | Overcharging, physical damage, manufacturing defect.                                   | <b>Immediately discontinue use and dispose of the battery safely according to local regulations. Do NOT attempt to charge or use.</b>      |

## SPECIFICATIONS

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**Model:** BPX345-6741-14.76

**Capacity:** 6741 mAh

**Battery Type:** Li-ion 4S

**Chemical System:** LiNiMnCoO<sub>2</sub>

**Charging Temperature:** 5° to 40° C (41° to 104° F)

**Max Charging Power:** 207 W

**Nominal Voltage:** 14.76V (inferred from 4S Li-ion, 3.69V/cell nominal)

**Energy:** 99 Wh

**Compatibility:** DJI Matrice 4 Series Drones (4T/4E)

## WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the official LuxZilvia website or contact your authorized dealer. Keep your purchase receipt as proof of purchase.

**Manufacturer:** LuxZilvia

**ASIN:** B0F3TF5B4Z

