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## LYONGTECH B0BN62ZDD2

# LYONGTECH Multifunction Display Battery Charger User Manual

For DJI Mini 4 Pro and Mini 3 Series

## 1. Introduction

This manual provides detailed instructions for the safe and efficient operation of your LYONGTECH Multifunction Display Battery Charger. This two-way LCD charging hub is designed for DJI Mini 4 Pro, Mini 3, and Mini 3 Pro batteries, including battery plus versions. It offers multiple charging modes, battery information display, and power bank functionality.

## 2. Package Contents

- 1 x LYONGTECH LCD Battery Charger
- 1 x USB-A to USB-C Charging Cable
- 1 x USB-C to USB-C Charging Cable

***Note:*** *USB-A output cable and batteries are not included.*




Figure 1: Overview of the charger's main functions.

## 3. Setup

1. **Connect Power:** Connect the charger to a power source using the provided USB-C to USB-C cable or USB-A to USB-C cable. For optimal performance, use a Power Delivery (PD) charger with an output of 45W or higher.
2. **Insert Batteries:** Carefully insert your DJI Mini 4 Pro or Mini 3 Series batteries into the designated slots on the charging hub. Ensure each battery is fully seated until a click is heard.
3. **Cable Connection Check:** Ensure USB-C cables are pushed in until a click is heard. If not fully inserted, the charging hub may not charge, and the display might show "0" for voltage/power or no display at all.




Figure 2: Charger connected to power with batteries inserted.

## 4. Operating Instructions

### 4.1 Charging Modes

The charger supports three distinct charging modes:

- **Full Charge Mode:** Charges batteries to 100% capacity.
- **Storage Charge Mode:** Charges batteries with less than 60% to 60-65% for long-term storage. If a battery's level is already above 60%, it will not be charged in this mode.
- **Discharge Mode:** Allows using the drone battery as a power bank to charge other devices.

## 4.2 Charging Method and Speed

- **Input ≥ PD 45W:** Two batteries are charged simultaneously (in parallel).
    - Two Mini 4 Pro batteries: Approximately 65 minutes.
    - Two Mini 3 batteries: Approximately 60 minutes.
    - Two Mini 3/4 Battery Plus batteries: Approximately 90 minutes.
- **Input > PD 35W (but < PD 45W):**The battery with the higher charge level receives high current, and the remaining current charges the second battery.
- **Input ≤ PD 35W:** Batteries are charged one by one, with the battery having the higher charge level being charged first.

***Tip:*** *Using a charger less than PD 45W or without a PD mark will result in slower charging speeds or sequential charging.*




Figure 3: Charging time estimates with PD 45W input.




Figure 4: Storage mode operation, charging batteries to 60-65%.

## 4.3 Power Bank Function

The charger can utilize your Mini 3/4 battery to act as a power bank. Connect your remote controller or other USB devices to the USB output port on the charger to begin charging them.




Figure 5: Using the charger as a power bank to charge external devices.

## 4.4 Checking Battery Levels

The integrated LCD display allows you to quickly check the battery levels, voltage, and cycle count of your Mini 3/4 batteries without needing to insert them into your drone.




Figure 6: LCD display showing detailed battery information.

# 5. Specifications

| Feature | Specification |
|---|---|
| Product Dimensions | 6.3D x 6W x 8.4H Centimetres |
| Item Weight | 159 Grams |
| Input Voltage | 5V/9V/12V/15V/20V--3A (Max) |
| Battery Output | 8.6/8.5V 2.5A x 2 (Max) |

| Feature | Specification |
| --- | --- |
| USB Output | 5V/2A (Max) |
| Connector Type | USB-C |
| Number of Ports | 2 (for batteries) + 1 (USB-A output) |
| Typical Charging Time (2 batteries, ≥PD 45W) | Mini 4 Pro: ~65 mins; Mini 3: ~60 mins; Mini 3/4 Plus: ~90 mins |

## 6. Troubleshooting

- **Charger not powering on or displaying information:**
  - Ensure the power cable is securely connected to both the charger and the power source.
  - Verify the power source is active and providing sufficient power.
  - Check if the USB-C input cable is fully inserted until it clicks.
- **Batteries not charging or charging slowly:**
  - Confirm batteries are correctly inserted into their slots.
  - Ensure your power adapter is Power Delivery (PD) compatible and provides at least 45W for simultaneous fast charging. Lower wattage adapters will charge slower or sequentially.
  - In Storage Mode, batteries already above 60% will not charge further.
- **LCD display shows "0" or is blank:**
  - This often indicates an issue with the battery connection or the input power cable not being fully inserted. Re-insert batteries and cables firmly.

## 7. Maintenance

- Keep the charger clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the charger to extreme temperatures, moisture, or direct sunlight.
- Store the charger in a cool, dry place when not in use.
- Do not attempt to disassemble or repair the charger yourself. Contact customer support for assistance.

## 8. Official Product Videos

### LYONGTECH Multifunction LCD Charger for Mini 4 Pro, Mini 3 Series

Your browser does not support the video tag.

This video demonstrates the key features and operation of the LYONGTECH Multifunction LCD Charger, including its compatibility with DJI Mini 4 Pro and Mini 3 series batteries.

### FPVtosky Mini 4 Pro Charger Hub Video

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A short video showcasing the FPVtosky charger hub, which is functionally similar to the LYONGTECH model for DJI Mini 4 Pro batteries, demonstrating charging and discharge capabilities.

## 9. Warranty and Support

For warranty information and customer support, please refer to the product packaging or contact LYONGTECH directly through their official channels. Keep your purchase receipt for warranty claims.

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