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SYMIK X5DCL

SYMIK X5DCL Insta360 X5 Battery Charger User Manual

Intelligent Dual-Slot PD Fast Charging Case with OLED Screen

1. Introduction

This manual provides detailed instructions for the safe and efficient operation of your SYMIK X5DCL Dual-Slot PD Fast Charging Case for Insta360 X5 batteries. Please read this manual thoroughly before use and retain it for future reference.



Image 1.1: The SYMIK X5DCL charger displaying battery and charging status on its OLED screen.

2. Package Contents

Verify that all items are present in your package:

- SYMIK X5DCL Charger Case x 1
- User Manual x 1

Note: Batteries are not included with the charger case.

3. Safety Information

To ensure safe operation and prevent damage, please observe the following:

- Use only compatible Insta360 X5 batteries (Ultra, Standard, or compatible aftermarket).
- Ensure batteries are inserted firmly into the charging ports until a "click" is heard.
- For fast charging, a 30W Power Delivery (PD) power adapter and a USB-C to USB-C cable are required. Using a USB-A to USB-C cable may result in slower charging or inability to charge both batteries simultaneously due to insufficient input power.
- Do not expose the charger to water or extreme temperatures.
- Do not attempt to disassemble or modify the charger.
- The charger features multiple safety protections including over-current, over-voltage, over-power, short-circuit, over-charge, and over-temperature protection.

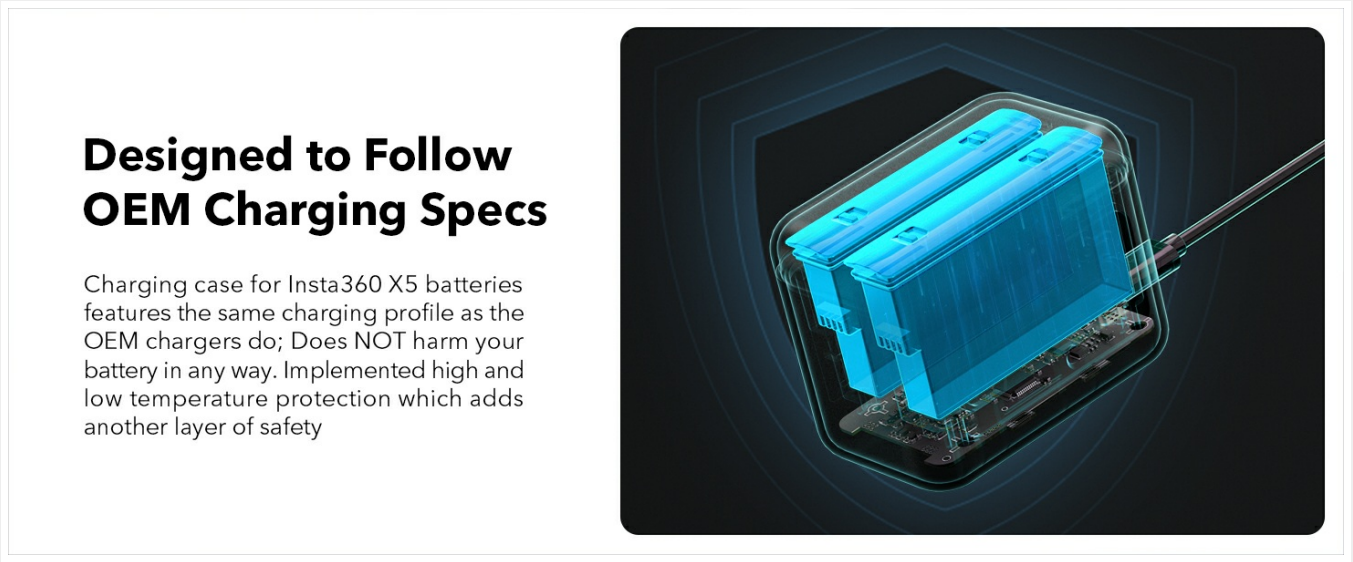

Image 3.1: Overview of the charger's integrated safety features.

4. Setup

1. **Connect Power:** Connect the SYMIK X5DCL charger to a power source using a USB-C to USB-C cable and a 30W PD power adapter for optimal performance. The USB-C cable included with your Insta360 X5 camera can be used.
2. **Insert Batteries:** Open the magnetic snap cover. Insert up to two Insta360 X5 batteries into the designated charging slots. Ensure each battery is inserted firmly until you hear a "click" sound, indicating a secure connection.

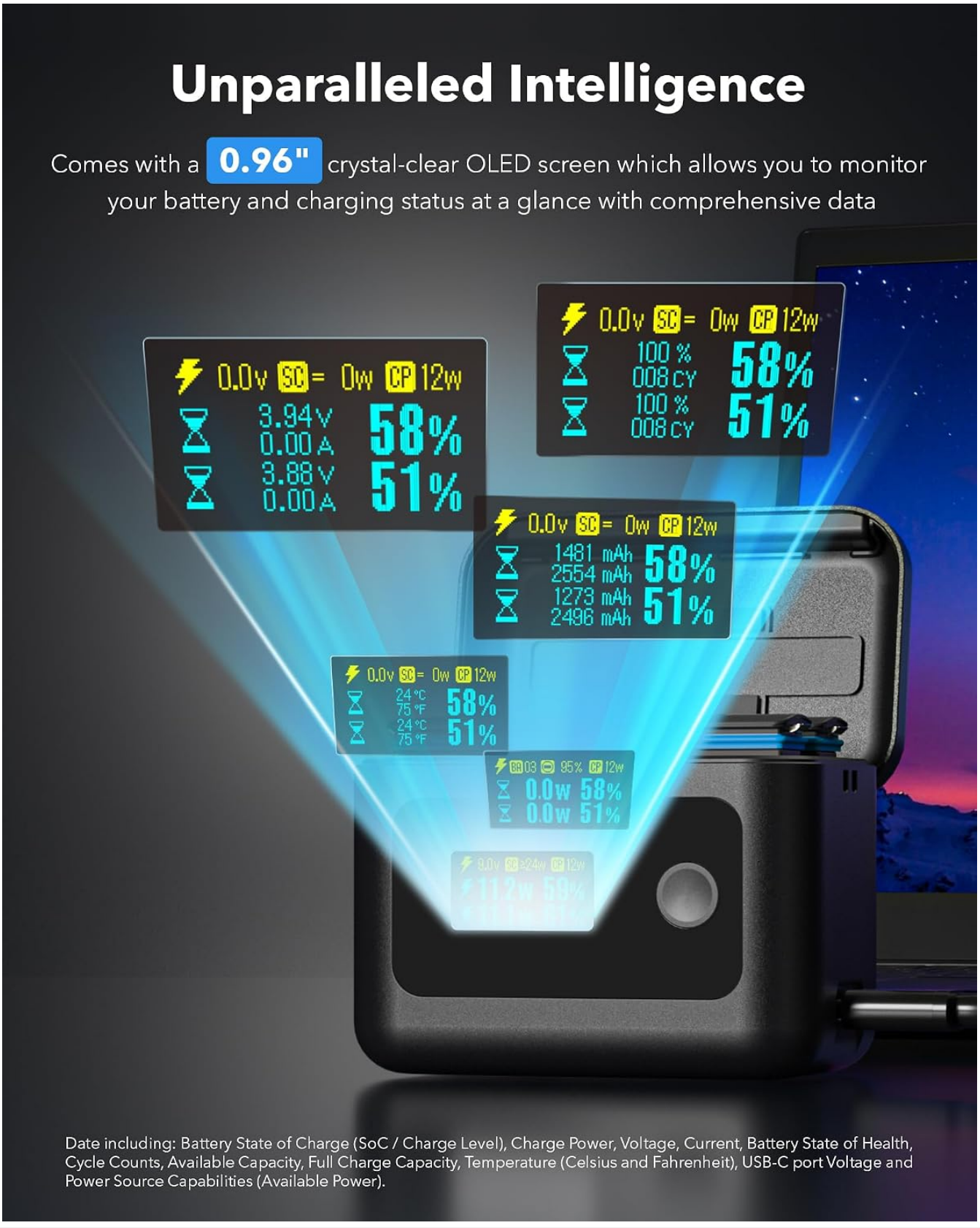

Image 4.1: Proper insertion of Insta360 X5 batteries into the charger.

5. Operating Instructions

5.1 Charging Process

Once batteries are inserted and power is connected, the charger will automatically begin charging. The 0.96" HD OLED screen will display real-time charging metrics.

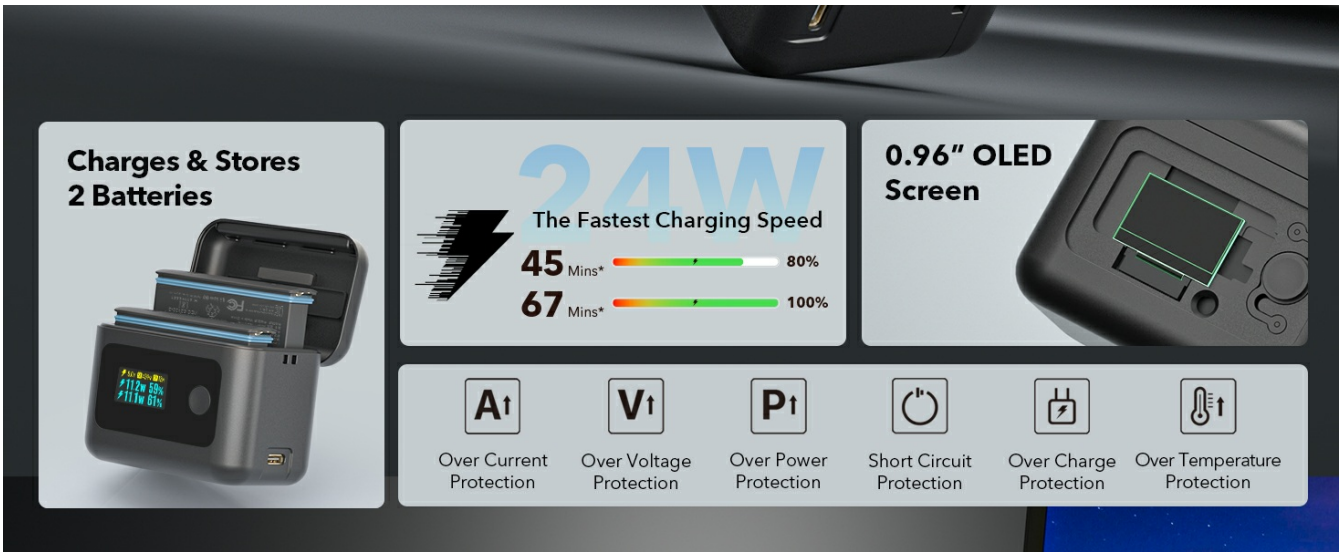

Image 5.1: Fast charging performance of the SYMIK X5DCL charger.

5.2 OLED Screen Display

The OLED screen provides comprehensive data for informed battery management. Information displayed includes:

- **SOC (State of Charge) / Charge Level:**Percentage of battery charge.
- **Charge Power:** Current charging wattage.
- **Voltage:** Battery voltage.
- **Current:** Charging current.
- **Health Cycles:** Number of charge cycles.
- **Temperature:** Battery temperature in Celsius and Fahrenheit.
- **Power Source Capabilities:** Available input power.



Image 5.2: Detailed information displayed on the OLED screen.

5.3 Screen Activation

The screen can be activated without a power source by inserting a battery or by pressing the push button when batteries are present.



Image 5.3: Methods to activate the OLED screen display.

6. Advanced Features

6.1 Adjustable Charging Stop Level

The charger allows you to set the termination charge level (State of Charge) from 20% to 100% in 5% increments. This feature provides flexibility for battery longevity management.

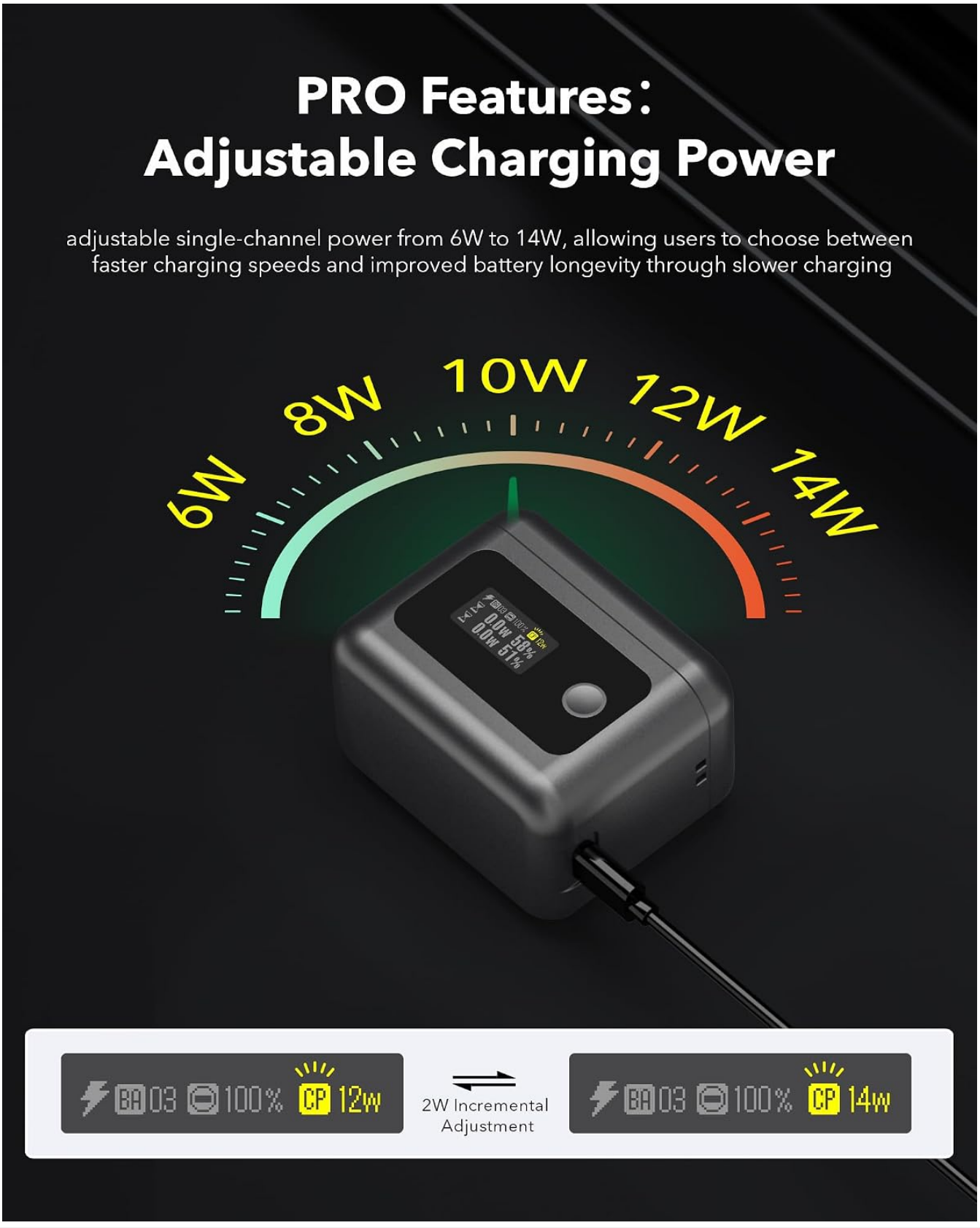

Image 6.1: Setting the adjustable charging stop level.

6.2 Adjustable Charging Power

You can adjust the single-channel charging power from 6W to 14W in 2W increments. This allows for faster charging when needed or slower charging to potentially improve battery longevity.

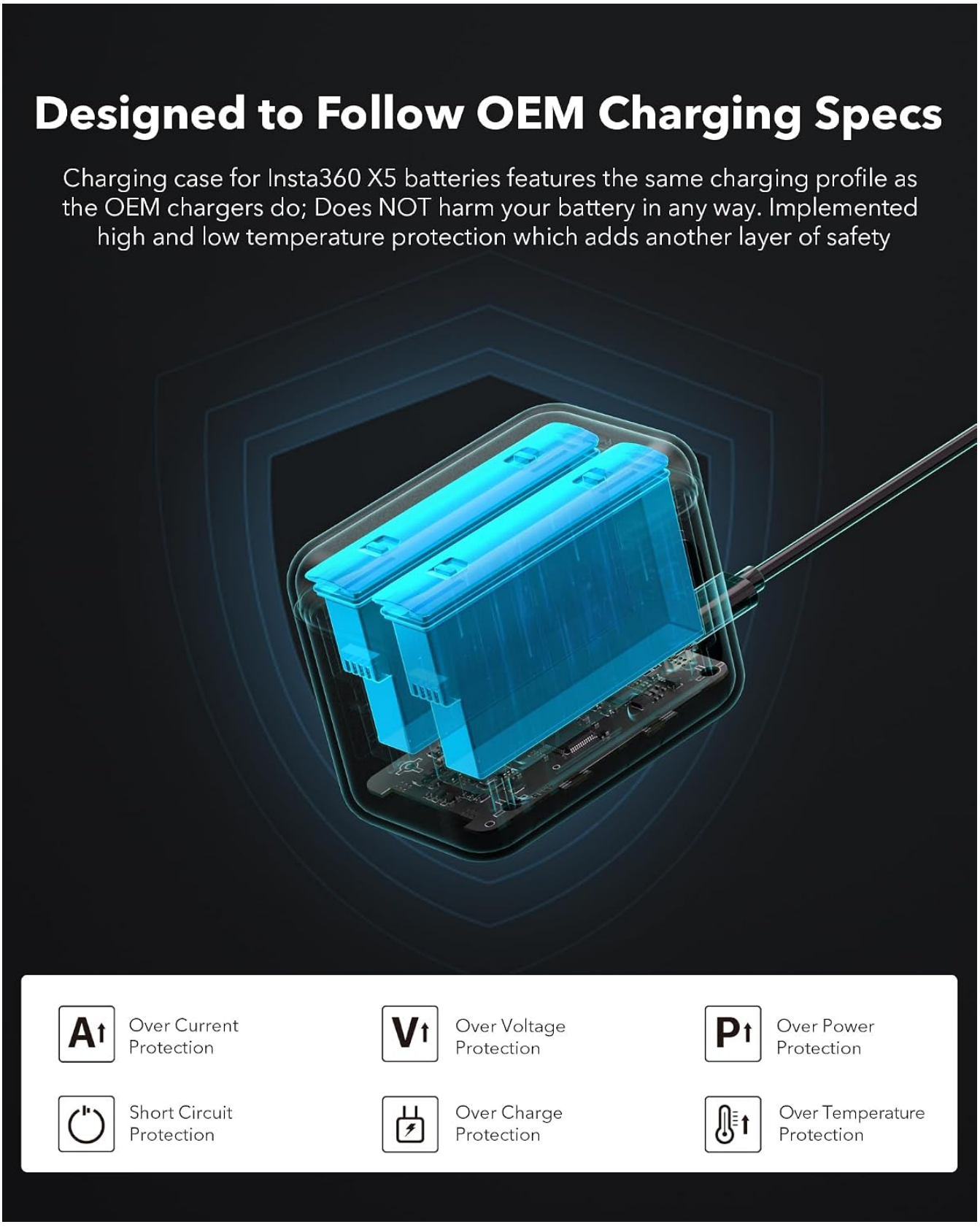

Image 6.2: Adjusting the charging power per channel.

6.3 Battery Type Auto-Detection

The intelligent algorithm embedded in the charger automatically detects the chemical characteristics of different Insta360 X5 batteries (e.g., X5 Ultra 4.50V 2800mAh, X5 Standard 4.48V 2400mAh, and compatible aftermarket batteries) and applies the correct charging profiles.

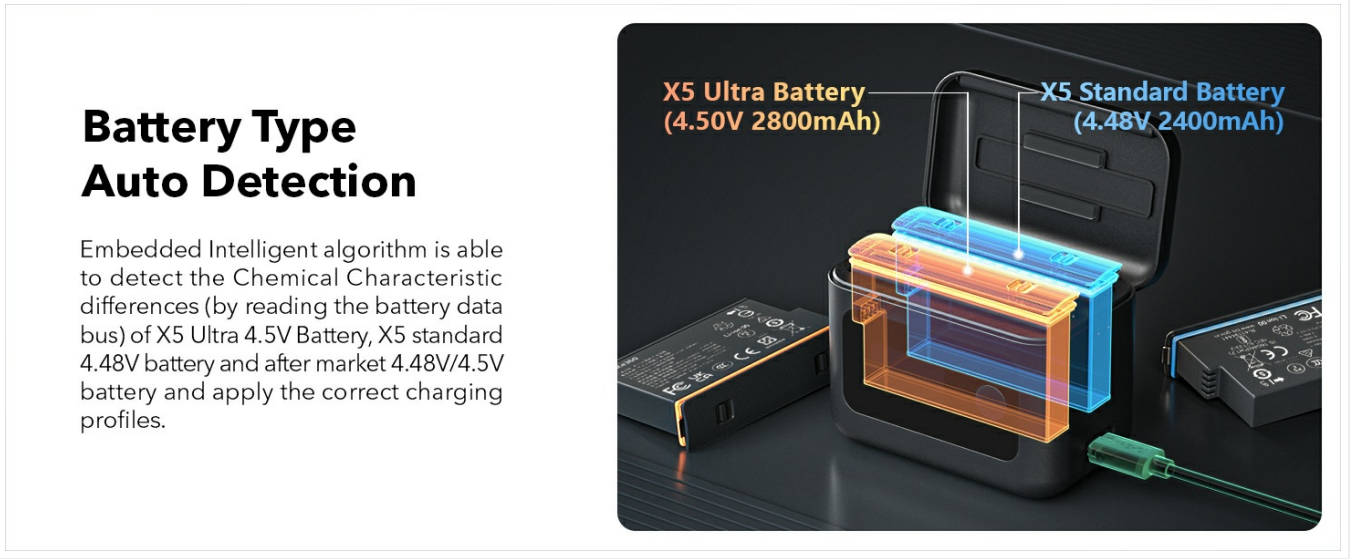

Image 6.3: Automatic battery type detection feature.

7. Maintenance

The SYMIK X5DCL charger requires minimal maintenance. Keep the device clean and dry. Use a soft, dry cloth to wipe the exterior. Do not use harsh chemicals or abrasive materials. Ensure the charging ports are free of debris.

7.1 Storage

When not in use, store the charger in a cool, dry place. The magnetic snap cover helps secure batteries and protects the charging slots during storage.



Image 7.1: The magnetic snap cover provides secure closure for storage.

8. Troubleshooting

- **Charger not powering on:** Ensure the USB-C cable is securely connected to both the charger and the power adapter, and that the power adapter is plugged into a working outlet.
- **Batteries not charging or charging slowly:**
  - Verify batteries are inserted firmly into the slots.
  - Confirm you are using a 30W PD power adapter and a USB-C to USB-C cable for fast charging. A USB-A to USB-C cable may provide insufficient power.

- Check the OLED screen for any error messages or low input power indications.

- **OLED screen not displaying:** Press the button on the charger or re-insert a battery to activate the screen.
- **Overheating during charging:** The charger has built-in temperature protection. If the temperature is too high, charging may slow down or pause. Ensure adequate airflow around the charger.

9. Specifications

Feature	Specification
Model Number	X5DCL
Product Dimensions (D x W x H)	2.99" x 1.89" x 2.36" (76 x 48 x 60 mm)
Product Weight	3.5 Ounces / 100 grams
Input Voltage	9 Volts (DC)
Output Voltage	5 Volts (DC)
USB-C Input	5V 3A; 9V 2.7A; (24W Max)
Charge Power (Per Channel)	Up to 14W adjustable
Number of Ports	2
Connector Type Used on Cable	USB-C
Charging Time (0% to 100% @ 12W)	67 minutes (0% to 80% in 45 minutes)
Operating Temperature	32° to 104°F (0° to 40°C)
Product Color	High Tech Gray

10. Warranty and Support

10.1 Warranty Information

The SYMIK X5DCL Battery Charger comes with a **1 Year Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or improper installation.

10.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your SYMIK X5DCL charger, please contact SYMIK customer support through the retailer's platform where the product was purchased or visit the official SYMIK website for contact information.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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