

## LP150

# LP150 LP Series 1.5A Power Supply User Manual

Model: LP150

## INTRODUCTION

The LP150 LP Series 1.5A Power Supply is designed to provide a reliable and secure power solution for various applications. This unit includes an integrated enclosure, a battery wire kit for backup power, and a keylock mechanism for enhanced security. It delivers a stable and consistent 1.5A power output, ensuring dependable performance and straightforward installation.

## SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or damage to the product.

- **Electrical Hazard:** This unit operates with electrical current. Ensure power is disconnected before performing any installation or maintenance.
- **Qualified Personnel:** Installation and servicing should only be performed by qualified personnel.
- **Ventilation:** Ensure adequate ventilation around the enclosure to prevent overheating.
- **Indoor Use Only:** This product is intended for indoor use in dry locations. Do not expose to moisture or extreme temperatures.
- **Grounding:** Proper grounding is essential for safe operation. Connect the ground wire as instructed.

## PACKAGE CONTENTS

Verify that all items are present in the package:

- LP150 Power Supply Unit with Enclosure
- Battery Wire Kit
- Keylock with Keys
- Installation Tools
- User Manual (this document)

## SETUP AND INSTALLATION

Follow these steps for proper installation of the LP150 Power Supply:

1. **Choose a Location:** Select a dry, secure, and well-ventilated indoor location for mounting the power supply enclosure. Ensure it is away from direct sunlight, heat sources, and moisture.

2. **Mount the Enclosure:**

Securely mount the enclosure to a wall or stable surface using appropriate fasteners (not included, but installation tools are provided). Use the pre-drilled mounting holes on the back of the enclosure.



Image: The LP150 power supply board mounted inside its metal enclosure, with the enclosure door open, showing internal components and wiring points. The image highlights the compact design and the pre-drilled mounting holes on the back panel.

3. **Connect AC Power:**

With the main power source disconnected, connect the AC input wires to the designated terminals on the power supply board inside the enclosure. Ensure proper polarity (Live, Neutral, Ground). Refer to the internal wiring diagram on the unit for specific terminal markings. The green wire visible in the image is typically the ground wire.

4. **Connect Battery Backup (Optional):**

If using a backup battery, connect it to the power supply board using the provided battery wire kit. Observe correct polarity (positive to positive, negative to negative). This ensures uninterrupted power during outages.

5. **Connect Output Devices:**

Connect your devices requiring 1.5A power to the DC output terminals of the power supply. Ensure all connections are secure and correctly polarized.

6. **Secure the Enclosure:**

Once all connections are made and verified, close the enclosure door and secure it using the integrated keylock. This prevents unauthorized access to the internal components.

7. **Apply Power:**

Restore main AC power. The power supply should now be operational, providing stable power to connected devices.

## OPERATING INSTRUCTIONS

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The LP150 Power Supply operates automatically once properly installed and powered. It provides a continuous 1.5A DC output.

- **Power Indicator:** Check for any indicator lights on the power supply board that confirm it is receiving power and operating correctly.
- **Keylock Operation:** Use the provided keys to lock and unlock the enclosure door. Always keep the enclosure locked to maintain security and prevent tampering.
- **Battery Backup:** If a backup battery is connected, the unit will automatically switch to battery power during an AC power outage and recharge the battery when AC power is restored.

## MAINTENANCE

Regular maintenance helps ensure the longevity and reliable operation of your LP150 Power Supply.

- **Cleaning:** Periodically clean the exterior of the enclosure with a soft, dry cloth. Do not use liquid cleaners or solvents.
- **Ventilation:** Ensure that ventilation openings are clear of dust and debris to maintain proper airflow.
- **Battery Check (if applicable):** If a backup battery is installed, check its condition periodically according to the battery manufacturer's recommendations. Replace batteries as needed.
- **Connection Check:** Annually, or as needed, with power disconnected, inspect all wiring connections for tightness and signs of wear or corrosion.

## TROUBLESHOOTING

If you encounter issues with your LP150 Power Supply, refer to the following common problems and solutions:

| Problem                 | Possible Cause                                                                          | Solution                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| No power output         | No AC input power; Loose connections; Internal fuse blown                               | Check AC power source; Verify all wiring connections; Consult qualified technician for fuse replacement. |
| Battery not charging    | Battery wire kit incorrectly connected; Faulty battery; Internal charging circuit issue | Check battery wire polarity; Test battery; Consult qualified technician.                                 |
| Enclosure keylock stuck | Debris in lock; Damaged key or lock mechanism                                           | Attempt to clear debris; Do not force; Contact support if issue persists.                                |

## SPECIFICATIONS

- **Model:** LP150
- **Output Current:** 1.5 Amperes (A)
- **Features:** Enclosure, Battery Wire Kit, Keylock
- **Manufacturer:** Locknetics
- **ASIN:** B0F2N5LB2K
- **First Available:** March 27, 2025

## WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided by your retailer or the manufacturer, Locknetics. Keep your purchase receipt for warranty claims.  
For further assistance, please visit the manufacturer's official website or contact their customer service department.