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› [PowerMax](#) /

› PowerMax PM3 100-LKL Lithium Specific Battery Charger (100 Amp) User Manual

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Model: PM3 100-LKL | Brand: PowerMax

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your PowerMax PM3 100-LKL Lithium Specific Battery Charger. Please read these instructions thoroughly before installation and use to ensure proper function and longevity of the product.



Image: Front angled view of the PowerMax PM3 100-LKL Lithium Specific Battery Charger.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the charger and connected equipment:

- Ensure the charger is connected to a properly grounded 120V AC outlet.
- Do not operate the charger if it has received a sharp blow, been dropped, or otherwise damaged.
- Keep the charger away from water, moisture, and flammable materials.
- Ensure adequate ventilation around the charger during operation.
- Connect the charger to the battery terminals correctly (positive to positive, negative to negative) before plugging into AC power.
- Disconnect AC power before disconnecting battery terminals.
- This charger is designed for lithium batteries. Do not use with other battery types unless explicitly stated as compatible.
- Fuses are 40 Amp, 32 Volt. Replace only with the same type and rating (LITTEL FUSE TYPE287).



Image: Rear view of the charger, highlighting the fuse panel and battery connection terminals.

3. PRODUCT FEATURES

The PowerMax PM3 100-LKL is a high-performance lithium specific battery charger designed for reliable power management. Key features include:

- **Lithium Specific Charging:** Optimized charging profiles for lithium batteries.
- **High Amperage Output:** Provides up to 100 Amps for efficient charging.
- **Input Voltage:** Operates on standard 120 Volts AC.
- **Output Voltage:** Delivers 12 Volts DC.
- **Compact Design:** Dimensions of 12 x 9 x 4.25 inches for easy integration.
- **Multiple Charging Stages:** Supports Fixed Voltage, 2-Stage, and 3-Stage charging modes.



Image: "Lithium Compatible" logo, indicating suitability for lithium battery types.

4. SETUP INSTRUCTIONS

1. **Mounting:** Choose a dry, well-ventilated location for the charger. Ensure there is sufficient space around the unit for airflow.
2. **Battery Connection:**
 - Connect the positive (+) output terminal of the charger (red) to the positive (+) terminal of your lithium battery.
 - Connect the negative (-) output terminal of the charger (black) to the negative (-) terminal of your lithium battery.
 - Ensure all connections are secure and tight.
3. **AC Power Connection:** Plug the charger's AC input cord into a standard 120V AC grounded electrical outlet.



Image: Angled view of the charger, showing the attached AC power cord for connection to an electrical outlet.

5. OPERATING INSTRUCTIONS

Once properly connected, the charger will automatically begin its charging cycle. The LED indicators provide status information:

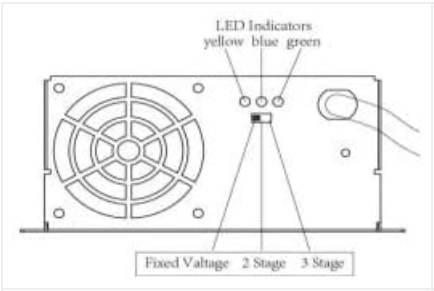


Image: Diagram illustrating the LED indicators (yellow, blue, green) and the switch for selecting Fixed Voltage, 2-Stage, or 3-Stage charging modes.

- **LED Indicators:** The charger features yellow, blue, and green LEDs to indicate operational status and charging stage. Refer to the diagram above for specific meanings.
- **Charging Modes:** A switch allows selection between Fixed Voltage, 2-Stage, and 3-Stage charging profiles. Select the appropriate mode for your lithium battery type as recommended by the battery manufacturer.
- The charger will automatically adjust its output to safely and efficiently charge the connected battery.

6. MAINTENANCE

To ensure optimal performance and longevity of your PowerMax charger:

- Keep the unit clean and free from dust and debris. Use a dry cloth for cleaning.
- Periodically check all electrical connections for tightness and corrosion.
- Ensure the ventilation openings are not blocked.
- If a fuse blows, replace it only with a 40 Amp, 32 Volt LITTEL FUSE TYPE287 to prevent fire or electric shock.
- Store the charger in a cool, dry place when not in use.

7. TROUBLESHOOTING

If you encounter issues with your charger, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Charger not turning on	No AC power; Blown fuse; Faulty AC cord.	Check AC outlet and power cord. Inspect and replace fuses if necessary (refer to Safety Information).
Battery not charging	Incorrect battery connection; Battery deeply discharged; Incorrect charging mode selected.	Verify positive and negative connections. Ensure battery voltage is within charger's operating range. Select appropriate charging mode.
Charger overheating	Blocked ventilation; Overload.	Ensure clear airflow around the unit. Reduce load if possible. If overheating persists, disconnect and contact support.

If the problem persists after attempting these steps, please contact PowerMax customer support.

8. SPECIFICATIONS

Specification	Value
Brand	PowerMax
Model Number	PM3 100-LKL
Amperage	100 Amps
Input Voltage	120 Volts AC
Output Voltage	12 Volts DC
Item Dimensions (L x W x H)	12 x 9 x 4.25 inches
Color	Grey
UPC	850040355659

9. WARRANTY AND SUPPORT

This PowerMax charger comes with a **2 Year Manufacturer Warranty**. For warranty claims, technical assistance, or further inquiries, please contact PowerMax customer support through their official website or the retailer where the product was purchased.

For more information, visit the [PowerMax Store on Amazon](#).

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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.

Submit question