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Gallagher M120

Gallagher M120 Electric Fence Charger User Manual

Model: M120 (G330434)

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your Gallagher M120 Electric Fence Charger. The M120 is a 1.2 Joule, 110 Volt AC energizer designed to power electric fences up to 15 miles or 60 acres of clean fence, offering reliable animal containment.



Figure 1: Front view of the Gallagher M120 Electric Fence Charger, showing the Gallagher logo and M120 model designation.

2. IMPORTANT SAFETY INFORMATION

WARNING: RISK OF ELECTRIC SHOCK.

Read full instructions before use. For indoor use only. Refer servicing to qualified service representative.

Use identical replacement parts. Use 14AWG wire minimum.

This product is UL Approved, ensuring it meets recognized safety standards. Always follow local regulations and guidelines for electric fence installation.



Figure 2: Back view of the Gallagher M120 Electric Fence Charger, displaying the model number G330434 and safety warnings.

3. PRODUCT FEATURES

- **Robust and Reliable:** Constructed with a tough outer casing and built-in lightning diverter for durability.
- **Easy Installation:** Features simple fence terminals for hassle-free setup.
- **Power Indicator:** A power-on indicator allows for quick visual checks of fence operation.
- **UL Approved:** Certified for safety standards.
- **Coverage:** Powers up to 15 miles / 60 acres of clean fence.
- **Energy Output:** 1.2 Joules.
- **Power Source:** 110 Volt AC.

4. SETUP AND INSTALLATION

The Gallagher M120 Electric Fence Charger is designed for straightforward installation. Ensure the energizer is mounted in a dry, protected location, away from direct weather exposure.

4.1 Mounting the Energizer

Mount the energizer securely to a wall or post using appropriate fasteners. Ensure it is positioned where it can be easily accessed for connection and monitoring.



Figure 3: The compact size of the M120 energizer, suitable for various mounting locations.

4.2 Connecting to Power

1. Plug the energizer's power cord into a standard 110 Volt AC outlet.
2. The power-on indicator light on the front of the unit should illuminate, confirming power supply.

4.3 Grounding System Connection

A proper grounding system is crucial for effective electric fence operation. Connect the green (ground) terminal on the energizer to a dedicated ground rod. The ground rod should be driven deep into moist soil, away from building foundations and other utility grounds. Use 14AWG wire minimum for all connections.

4.4 Fence Line Connection

Connect the red (fence) terminal on the energizer to your electric fence line. Ensure all fence wires are properly insulated from posts and any conductive materials to prevent power leakage.

5. OPERATION

Once properly installed and connected, the Gallagher M120 Electric Fence Charger will begin to energize your fence. The power-on indicator light provides a visual confirmation that the unit is operating and sending pulses to the fence line.

5.1 Monitoring Fence Performance

Regularly check the power-on indicator. If the light is off or flickering, it may indicate a power issue or a fault on the fence line. Use a fence tester (sold separately) to measure the voltage on various sections of your fence to ensure adequate shocking power.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Gallagher M120 Electric Fence Charger, follow these maintenance guidelines:

- **Keep Clean:** Periodically wipe down the energizer casing to remove dust and debris. Ensure ventilation openings are clear.
- **Check Connections:** Regularly inspect all electrical connections (power, ground, fence) for corrosion or looseness. Tighten as necessary.
- **Grounding System:** Verify that the ground rod remains firmly in the soil and that the connection to the energizer is secure.
- **Fence Line Inspection:** Trim vegetation around the fence line to prevent shorts. Check for broken wires, faulty insulators, or other damage that could reduce fence effectiveness.

7. TROUBLESHOOTING

If your electric fence is not performing as expected, consider the following common issues and solutions:

Problem	Possible Cause	Solution
No power indicator light	No AC power, faulty outlet, or energizer issue.	Check power outlet, test with another appliance. If still no light, contact support.
Weak or no shock on fence	Poor grounding, fence shorts (vegetation, broken insulators), or energizer fault.	Improve grounding, clear vegetation, replace faulty insulators, check for broken wires. Use a fence tester.
Flickering power indicator	Heavy load on fence (shorts) or intermittent power supply.	Inspect fence for shorts. Ensure stable power supply.

For persistent issues, contact Gallagher North America customer support.

8. SPECIFICATIONS

- **Model:** M120 (G330434)
- **Brand:** Gallagher
- **Item Weight:** 1 pound (16 ounces)
- **Product Dimensions:** 2.99"D x 8.38"W x 8.89"H
- **Output Voltage:** 110 Volts (AC)
- **Energy Output:** 1.2 Joules
- **Fence Coverage:** Up to 15 miles / 60 acres of clean fence
- **Manufacturer:** Gallagher
- **Date First Available:** July 22, 2016

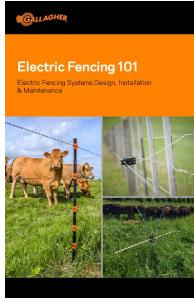
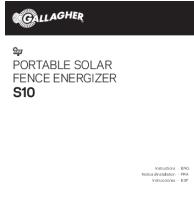
9. WARRANTY AND SUPPORT

The Gallagher M120 Electric Fence Charger includes a **3-Year Warranty** when purchased from Gallagher North America. For warranty claims, technical support, or any questions regarding your product, please

contact Gallagher North America directly.

For additional resources and product information, visit the official [Gallagher Store](#).

Related Documents - M120

	<p>Electric Fencing 101: Design, Installation & Maintenance Guide</p> <p>A comprehensive guide to electric fencing systems from Gallagher, covering design principles, installation techniques, maintenance, fault finding, and safety considerations for various livestock and property types.</p>
	<p>Gallagher Lithium Solar Energizer Quick Start Guide</p> <p>Quick start guide for the Gallagher Lithium Solar Energizer (Model 3E5721). Learn how to install, charge, and operate your energizer safely and effectively.</p>
	<p>Gallagher S10 Portable Solar Fence Energizer: User Manual & Installation Guide</p> <p>Comprehensive user manual for the Gallagher S10 Portable Solar Fence Energizer, covering installation, operation, safety, troubleshooting, and specifications. Learn how to effectively manage your electric fencing with this solar-powered solution.</p>
	<p>Gallagher Lithium Solar Energizer User Manual: S20, S30, S60, S80</p> <p>Detailed user guide for Gallagher Lithium Solar Energizers (S20, S30, S60, S80), covering installation, operation, maintenance, troubleshooting, and technical specifications for effective livestock fencing.</p>
	<p>Gallagher M5000i Mains Powered Fence Energizer User Manual</p> <p>Comprehensive user manual for the Gallagher M5000i Mains Powered Fence Energizer. Includes detailed instructions on installation, operation, safety, troubleshooting, and product specifications for effective animal containment.</p>
	<p>Gallagher S12 Lithium Solar Fence Energizer User Manual Installation & Operation Guide</p> <p>Comprehensive user manual for the Gallagher S12 Lithium Solar Fence Energizer. Includes installation instructions, safety warnings, troubleshooting tips, and product specifications for effective electric fencing.</p>

