

Gallagher G388414

Gallagher MB150 Dual Power Electric Fence Charger User Manual

Model: G388414

1. INTRODUCTION

The Gallagher MB150 Dual Power Electric Fence Charger is a robust and adaptable energizer designed for effective animal containment and pasture management. This unit provides 1.5 Joules of stored energy, capable of powering up to 30 miles of clean wire fencing or covering up to 100 acres. Its dual-power capability allows operation via a 12V battery or a 110V AC power source, offering flexibility for various installation needs. The MB150 is engineered for durability, featuring a water-resistant case and integrated lightning protection to ensure reliable performance in diverse environmental conditions.

This manual provides comprehensive instructions for the safe installation, operation, maintenance, and troubleshooting of your Gallagher MB150 energizer. Please read it thoroughly before use to ensure optimal performance and longevity of your product.

2. IMPORTANT SAFETY INSTRUCTIONS

Always observe the following safety precautions when installing or operating your electric fence energizer:

- Read all instructions before using the energizer.
- Do not connect the energizer to the mains power supply and a battery simultaneously unless specified by the manufacturer.
- Ensure proper grounding of the energizer as per local electrical codes and regulations.
- Keep the energizer away from children and unauthorized personnel.
- Do not install the energizer in a location where it could be submerged in water or exposed to excessive moisture.
- Disconnect the energizer from its power source before performing any maintenance or repairs.
- Use only Gallagher-approved accessories and replacement parts.

- Be aware that electric fences can deliver a painful but non-lethal shock. Install warning signs where necessary.
- Protect the energizer from direct lightning strikes by installing appropriate lightning diverters.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Gallagher MB150 Energizer Unit
- User Guide (this manual)

INCLUDES:

- MB150 Energizer
- User Guide



Multi-Power Fence Energizer

Easy set up for both portable and permanent use in any location. Features low impedance that will shock through weeds and brush.



Image: The Gallagher MB150 Energizer unit shown alongside its included user guide, illustrating the typical contents of the product package.

4. PRODUCT OVERVIEW

Familiarize yourself with the main components and controls of your MB150 energizer:

- **Power Indicator Light:** A green light indicates sufficient battery power; a flashing red light indicates low battery.
- **Fence Terminal (Red):** Connects to the live wire of your electric fence.
- **Ground Terminal (Green):** Connects to the ground rod.
- **Power Input Port:** For connecting either the 110V AC adapter or 12V battery clips.
- **Integrated Carry Handle:** For easy portability and installation.



Image: A front-angle view of the Gallagher MB150 Electric Fence Charger, highlighting its compact design, control knobs (red

5. SETUP

5.1 Powering Options

The MB150 offers flexible power options:

5.1.1 110V AC Power (Mains)

1. Ensure the energizer is placed in a dry, protected location, close to a 110V AC outlet.
2. Connect the Gallagher-supplied 110V AC adapter to the energizer's power input port.
3. Plug the AC adapter into a standard 110V AC wall outlet.

5.1.2 12V Battery Power

1. Place the energizer in a secure, dry location, ensuring the battery is also protected from the elements.
2. Connect the red (positive) battery clip to the positive terminal of a 12V deep cycle battery.
3. Connect the black (negative) battery clip to the negative terminal of the 12V battery.
4. Connect the battery clips to the energizer's power input port.

5.2 Fence Connection

1. Connect the red terminal of the energizer (marked with a lightning bolt symbol) to the live wire of your electric fence. Use high-voltage insulated cable for this connection.

5.3 Grounding

Proper grounding is crucial for effective fence operation and safety.

1. Drive a galvanized steel ground rod (minimum 3 feet long) into the earth in a moist area, away from building foundations.
2. Connect the green terminal of the energizer (marked with a ground symbol) to the ground rod using a galvanized wire or appropriate ground cable.
3. For optimal performance, especially in dry conditions or for longer fences, additional ground rods may be required.



Power Your Fence, Your Way

This dual power fence energizer can be powered by a 12v battery or plugged into a 110v outlet.*

*Battery and 110v power supply sold separately



Image: An electric fence line extending across a green pasture with cattle in the background, demonstrating the typical environment where the Gallagher MB150 energizer would be used to power a fence.

6. OPERATING

6.1 Initial Power-Up

Once all connections (power, fence, and ground) are securely made, the energizer will begin to operate. The green power indicator light on the front of the unit should illuminate, indicating that the energizer is functioning correctly and sending pulses to the fence line.

6.2 Battery Monitoring (for 12V battery operation)

The MB150 features a convenient battery monitoring system:

- A steady green light indicates that the 12V battery has sufficient charge.
- A flashing red light indicates that the battery is running low and requires recharging or replacement.



Check Battery in an Instant

At a glance the green light shows battery is ok and flashes red if battery is running low for your peace of mind.



Image: The Gallagher MB150 energizer in a field setting with cattle in the background, illustrating the visible power indicator light for quick battery status checks.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your MB150 energizer:

- **Cleaning:** Periodically wipe down the energizer with a damp cloth to remove dirt and debris. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Regularly inspect all connections (fence, ground, and power) for corrosion, damage, or loose fittings. Ensure the fence line is free of vegetation that could short out the fence.
- **Battery Care (for 12V battery operation):** If using a 12V battery, ensure it is kept charged. Avoid deep discharge, which can shorten battery life. Store batteries in a cool, dry place when not in use.
- **Storage:** When not in use for extended periods, disconnect the energizer from all power sources and store it in a dry, protected environment.

8. TROUBLESHOOTING COMMON ISSUES

Refer to the table below for common issues and their potential solutions:

Problem	Possible Cause	Solution
No power indicator light / Energizer not working	No power supply; Faulty connections; Blown fuse (internal)	Check power source (AC outlet or battery charge); Verify all connections are secure; Contact support if fuse is suspected.
Flashing red light (on battery power)	Low battery charge	Recharge or replace the 12V battery.
Weak or no shock on fence line	Poor grounding; Fence shorting out (vegetation, broken insulators); Energizer fault	Improve grounding system (add more rods); Clear vegetation from fence line; Inspect insulators for damage; Test fence voltage with a fence tester; Contact support if energizer fault is suspected.
Battery drains quickly	Fence shorting out; Old/faulty battery; Energizer drawing excessive current	Inspect fence for shorts (vegetation, broken wires); Test battery health; Contact support if energizer is suspected of drawing too much current.

9. TECHNICAL SPECIFICATIONS

Detailed specifications for the Gallagher MB150 Dual Power Electric Fence Charger:

Specification	Value
Model Number	G388414
Product Dimensions	5 x 9 x 10.5 inches
Item Weight	4 pounds
Output Voltage	7000 Volts (7E+3 Volts)
Stored Energy	1.5 Joules
Fence Coverage (Clean Wire)	Up to 30 Miles
Area Coverage	Up to 100 Acres
Power Options	12V Battery or 110V AC

Specification	Value
Color	Black/Orange
Manufacturer	GALLAGHER NORTH AMERICA
Certifications	CE, FCC

10. WARRANTY AND SUPPORT

10.1 Warranty Information

The Gallagher MB150 Multi-Power Fence Energizer comes with a full **3-Year Manufacturer's Warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.



Unbeatable Reliability

Super tough and reliable in even the most extreme weather conditions. Portable, water resistant case, and built in lightning protection.



Image: Icons representing weather resistance, lightning protection, and durability, emphasizing the MB150's robust construction and reliability in various conditions.

10.2 Contact Support

For technical assistance, warranty claims, or to purchase replacement parts, please contact Gallagher North America customer support. Refer to the contact information provided on the Gallagher website or your product packaging.




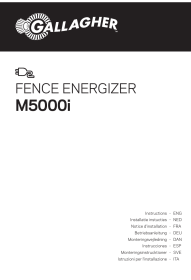
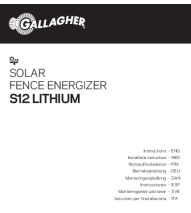



The Brand You Can Trust

A heritage of quality & innovation has made Gallagher the #1 selling brand of animal management products in the world, since 1938.



Image: A black calf in a green pasture with a fence and farm buildings in the background, accompanied by text highlighting Gallagher's long-standing reputation as a trusted brand in animal management products since 1938.

© 2024 Gallagher North America. All rights reserved.

	<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 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>
	<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 S60 & S80 Lithium Solar Energizer Quick Start Guide</p> <p>A quick start guide for the Gallagher S60 & S80 Lithium Solar Energizer, covering setup, charging, storage, and battery information.</p>

