

Gallagher G315514

Gallagher MBS2800i Multi Power Electric Fence Charger

Model: G315514 | User Manual

1. PRODUCT OVERVIEW

The Gallagher MBS2800i Multi Power Electric Fence Charger is a high-performance energizer designed for extensive electric fencing systems. It is engineered to provide reliable power for controlling livestock, protecting crops, and deterring predators across large areas. This energizer is part of Gallagher's intelligent 'iSeries' range, offering advanced monitoring and control capabilities.

- **Versatile Power Options:** Operates on 110v AC mains power, 12v battery, or solar power (battery and solar panel sold separately).
- **Extensive Coverage:** Capable of powering up to 250 miles or 1500 acres of clean wire fencing.
- **Smart iSeries Technology:** Allows for remote monitoring and control via the Ag Devices App when connected to a WiFi Gateway. Provides real-time fence data, SMS alerts, zone control, and remote activation/deactivation.
- **Adaptive Output:** iSeries technology delivers consistent power to the end of the fence line, automatically adjusting voltage output to compensate for fence faults.
- **Robust Construction:** Built for durability and reliability in demanding farming environments, featuring built-in lightning protection.



Image 1.1: The Gallagher MBS2800i energizer unit (right) and its external control/display panel (left).

2. SAFETY INFORMATION

Always adhere to local regulations and safety guidelines when installing and operating electric fencing. Failure to do so may result in injury or damage.

- Keep children and unauthorized persons away from the electric fence.
- Do not connect the energizer to more than one fence system.
- Ensure proper grounding of the energizer as per installation instructions.
- Avoid contact with the fence during operation.
- Disconnect power before performing any maintenance or repairs.
- Install warning signs on electric fences where necessary.
- Protect the energizer from direct weather exposure unless specifically designed for outdoor use.

3. COMPONENTS INCLUDED

The Gallagher MBS2800i package typically includes the following items:

- Gallagher MBS2800i Energizer Unit
- External Control/Display Panel
- Plug-in/Battery Lead Set

INCLUDES:

- MBS2800i Energizer
- Control/Display panel
- Plug-in/battery lead set



Multi-Power Fence Energizer

Power up to 250 miles or 1,500 acres of clean fence either as a 110v plug-in or battery/solar. Ideal for permanent fencing on large farms.



Image 3.1: Visual representation of the main components included in the MBS2800i package.

4. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and safety of your electric fence system. Refer to the detailed installation guide provided with your product for specific wiring diagrams and grounding requirements.

4.1. Choosing a Power Source

The MBS2800i offers flexibility with three power options:

- **110v AC Mains Power:** For permanent installations where mains power is readily available.
- **12v Battery Power:** Ideal for remote locations or temporary fencing. Requires a compatible 12v deep cycle battery (sold separately).

- **Solar Power:** For sustainable, off-grid operation. Requires a solar panel and 12v battery (both sold separately).



UP TO
250
MILES

UP TO
1,500
ACRES

28
JOULES

Power Your Fence, Your Way

Mains, battery or solar*. Energizer comes complete with a mains and battery lead set for all power source options. *Battery and solar panel sold separately



Image 4.1: The MBS2800i energizer integrated into a solar-powered fencing system, demonstrating its versatility.

4.2. Energizer Placement

Mount the energizer in a secure, dry location, protected from direct weather unless specifically rated for outdoor exposure. Ensure adequate ventilation around the unit.

4.3. Grounding System

A robust grounding system is critical for effective electric fence operation. Install ground rods according to the manufacturer's recommendations, typically at least three 6-foot galvanized ground rods spaced 10 feet apart.

4.4. Fence Connections

Connect the energizer's fence terminal to the electric fence line and the ground terminal to your grounding system using appropriate high-voltage insulated wire.

4.5. iSeries Connectivity (Optional)

To utilize the smart features of the iSeries, connect your energizer to a Gallagher WiFi Gateway (sold separately). Once connected, download the Ag Devices App to your smartphone or tablet for remote monitoring and control.

5. OPERATING INSTRUCTIONS

The MBS2800i is designed for user-friendly operation, with detailed information available on the external control/display panel and via the Ag Devices App.

5.1. Powering On/Off

Once all connections are secure and the power source is connected, the energizer will typically power on automatically. Refer to the control panel manual for specific power control functions.

5.2. Understanding the Display Panel

The external control/display panel provides real-time information about your fence system:

- **Voltage (kV):** Indicates the voltage on the fence line.
- **Current (A):** Shows the current flow, which can help identify fence faults.
- **Ground Voltage:** Displays the voltage on the ground system, indicating grounding effectiveness.
- **Indicator Lights:** Provide quick visual status of fence performance and potential issues.



Image 5.1: The MBS2800i energizer unit, highlighting its durable construction suitable for farm environments.

5.3. Using the Ag Devices App

The Ag Devices App offers advanced control and monitoring features:

- **24/7 Remote Monitoring:** View fence performance data from anywhere.
- **SMS Alerts:** Receive notifications for critical fence issues.
- **Zone Control:** Manage different sections of your fence system.
- **Remote Activation/Deactivation:** Turn the energizer on or off remotely.

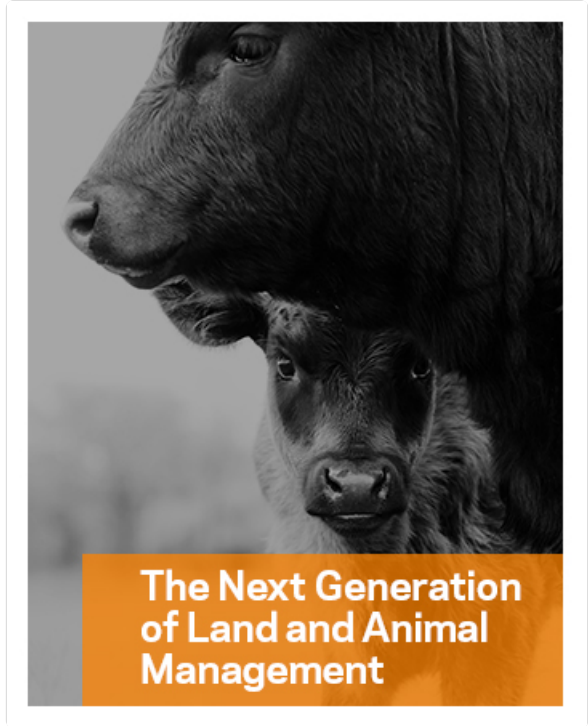


Image 5.2: Livestock safely contained by an electric fence, demonstrating the effective application of the MBS2800i.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your MBS2800i energizer and electric fence system.

- **Fence Line Inspection:** Periodically check the entire fence line for shorts, broken wires, vegetation contact, or damaged insulators. Clear any obstructions.
- **Grounding System Check:** Ensure ground rods are firmly in the soil and connections are corrosion-free. Test the ground system annually.
- **Energizer Unit Cleaning:** Keep the energizer unit clean and free from dust, dirt, and insect nests. Use a dry cloth for cleaning.
- **Battery Maintenance (if applicable):** If using battery power, regularly check battery terminals for corrosion and ensure the battery is charged.

7. TROUBLESHOOTING

The iSeries technology in the MBS2800i is designed to help identify and resolve fence issues efficiently. Use the display panel and Ag Devices App to diagnose problems.

Problem	Possible Cause	Solution
Low Fence Voltage	Short circuit on fence line (vegetation, broken insulator, faulty wire), poor grounding.	Inspect fence line for shorts. Clear vegetation. Check and improve grounding system.

Problem	Possible Cause	Solution
No Output from Energizer	No power supply, faulty connections, internal fault.	Check power source (mains, battery, solar). Verify all connections are secure. If problem persists, contact Gallagher support.
Inaccurate Readings on Display	Loose connections to controller, controller fault.	Ensure controller cable is securely connected. If issue continues, contact support.

For more complex issues or if troubleshooting steps do not resolve the problem, please contact Gallagher customer support.

8. SPECIFICATIONS

- **Model Number:** G315514
- **Stored Energy:** 28.0 Joules
- **Fence Coverage (Clean Wire):** Up to 250 miles / 1500 acres
- **Power Options:** 110v AC Mains, 12v Battery, Solar (requires separate battery and solar panel)
- **Package Dimensions:** 14.61 x 11.26 x 7.05 inches
- **Item Weight:** 11.29 pounds
- **Manufacturer:** Gallagher
- **Features:** iSeries Technology, Remote Monitoring (via Ag Devices App), Zone Control, SMS Alerts, Lightning Protection

9. WARRANTY AND SUPPORT

The Gallagher MBS2800i Electric Fence Charger comes with a full **3-Year Manufacturer's Warranty**, covering defects in materials and workmanship under normal use.

For technical assistance, warranty claims, or general inquiries, please contact Gallagher customer support through their official website or authorized dealers. Keep your proof of purchase for warranty validation.



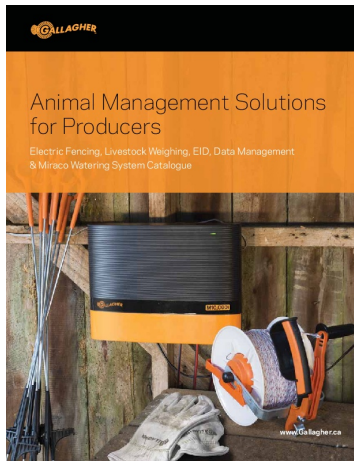
The Brand You Can Trust

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



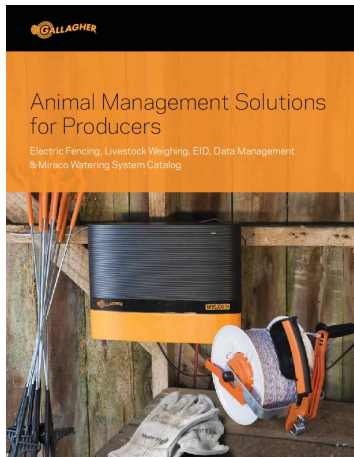
Image 9.1: Gallagher's commitment to quality and innovation in animal management solutions.

© 2024 Gallagher. All rights reserved. Information subject to change without notice.



[\[pdf\]](#) Accessories Catalog

untitled Animal Management Solutions for Producers Electric Fencing Livestock Weighing EID Data
 Miraco Watering System Catalogue Gallagher ca gca catalog search am gallagher media 5093 |||
 Animal Management Solutions for Producers Electric Fencing, Livestock Weighing,
 EID, Data Management ... MB2800i 28 Clean fence distance: Typical fence distance:
 Stored energy joules : UL Approved **G315514** 250 miles / 1,500 acres 50 miles / 1,000
 acres 28 INCLUDED OPTIONAL ACCESSORIES See pages...
 lang:en score:17 filesize: 4.35 M page_count: 60 document date: 2019-06-21



[\[pdf\]](#) Guide Configuration Guide Accessories Catalog

untitled Animal Management Solutions for Producers Jul 13 2020 — Strainers End Strain Insulators 26
 Wood Post Connectors Clamps 27 T Fiberglass 28 Offsets 29 usa catalog search am gallagher media
 5092 |||
 Animal Management Solutions for Producers Electric Fencing, Livestock Weighing,
 EID, Data Management ... MB2800i 28 Clean fence distance: Typical fence distance:
 Stored energy joules : UL Approved **G315514** 250 miles / 1,500 acres 50 miles / 1,000
 acres 28 INCLUDED OPTIONAL ACCESSORIES See pages...
 lang:en score:14 filesize: 4.33 M page_count: 64 document date: 2019-06-21