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Gallagher G350414

Gallagher S30 Solar Electric Fence Charger User Manual

Model: G350414

PRODUCT OVERVIEW

The Gallagher S30 Solar Electric Fence Charger is a portable and robust energizer designed for effective livestock and pasture management. It utilizes advanced solar lithium technology to provide consistent power for up to 20 miles or 60 acres of fencing, delivering 0.3 stored joules of energy.



Image: Gallagher S30 Solar Electric Fence Charger with included fence and ground leads.

Key features include:

- **Solar Lithium Technology:** Equipped with a lithium battery and high-efficiency solar panel for superior and continuous operation in various weather conditions. Lithium batteries offer faster recharging and longer charge retention compared to traditional lead-acid batteries.
- **Portable Design:** Lightweight, compact, and features an integrated carry handle for easy installation and movement, making it ideal for strip grazing and rotational pasture management.
- **Intelligent Adaptive Energy Control:** Smart electronics monitor stored solar energy and battery voltage, adjusting output to ensure prolonged fence power, day or night, rain or shine.
- **Durable Construction:** Features a dual-insulated plastic enclosure that protects internal components and lithium batteries from extreme temperatures, ensuring operation in cold and hot climates.
- **Versatile Application:** Suitable for portable or off-grid fencing setups, small paddocks, rotational grazing zones, and remote livestock containment for cattle, horses, goats, or garden protection.



INCLUDES:

- Solar panel
- Internal lithium battery
- Fence and earth lead
- User guide



S30 Lithium Solar Fence Energizer

A tough, compact, portable, fast charging and long-lasting solar fence energizer with intelligent adaptive energy control.



Image: The Gallagher S30 package includes the solar panel, internal lithium battery, fence and earth leads, and a user guide.

SETUP AND INSTALLATION

The Gallagher S30 is designed for quick and easy setup. Ensure the unit is fully charged before initial use by exposing the solar panel to direct sunlight for a few days.

1. **Mounting:** Mount the energizer on a suitable post (e.g., Y Steel Post, T Steel Post, Wood Post, Ground Rod, Ring Top Post) using the integrated handle or appropriate mounting hardware.

Multiple mounting options to suit your fencing solution



Image: Various mounting options for the S30 energizer, including Y Steel Post, T Steel Post, Wood Post, Ground Rod, and Ring Top Post.

2. **Grounding:** Connect the green ground lead from the energizer to a ground rod securely driven into the earth. Ensure good earth connection for optimal performance.
3. **Fence Connection:** Connect the red fence lead from the energizer to your electric fence line. Ensure all connections are tight and secure.



Ready to Use

The Gallagher S30 comes fully integrated and ready to use. Simply mount on a suitable post and connect it to your fence and earth.



Image: The Gallagher S30 energizer mounted on a wooden post, connected to a fence line and ground.

4. **Activation:** Turn the power switch on the unit to the 'on' position. The energizer will begin to power the fence.

Quick Setup Video

Watch this official video for a visual guide on setting up your Gallagher S30 energizer:

Your browser does not support the video tag.

Video: Official Gallagher S30 Quick Setup guide, demonstrating the installation process.

OPERATING INSTRUCTIONS

The S30 operates continuously once activated, leveraging its solar panel and lithium battery for reliable performance.

- **Power Indicator:** The unit features a live indicator light to confirm the fence is energized and a charge indicator to show battery status.
- **Adaptive Energy Control:** The intelligent system automatically adjusts power output based on battery levels and solar input, ensuring consistent fence voltage.

LITHIUM
SOLAR
TECHNOLOGY



Solar Lithium Technology

Lithium iron phosphate battery and high efficiency solar panel provide superior and continuous power even in extreme temperatures.



Image: The S30 energizer highlighting its solar lithium technology, designed for continuous power in various conditions.

- **Portability:** The lightweight design allows for easy relocation to different areas of your property as needed for rotational grazing or temporary fencing.



Portable Power

Lightweight and easy to move with an integrated carry handle. The ideal solution for strip grazing and rotational pasture management.



Image: The S30 energizer in a field, illustrating its portable power capabilities for managing up to 20 miles or 60 acres.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Gallagher S30 energizer.

- **Solar Panel Cleaning:** Periodically clean the solar panel surface with a soft, damp cloth to remove dirt, dust, or debris that may obstruct sunlight and reduce charging efficiency.
- **Battery Health:** The lithium battery is designed for long life. Ensure the unit receives adequate sunlight to keep the battery charged. Avoid prolonged storage in a discharged state.
- **Connections:** Regularly check all fence and ground connections for corrosion or looseness. Clean and tighten as necessary to maintain good electrical contact.
- **Physical Inspection:** Inspect the unit's plastic enclosure for any signs of damage, cracks, or wear, especially after extreme weather conditions.

TROUBLESHOOTING

If your Gallagher S30 is not performing as expected, consider the following common issues and solutions:

Problem	Possible Cause	Solution
No power/weak shock	Insufficient sunlight, poor ground connection, fence shorting, low battery.	Ensure solar panel is clean and in direct sunlight. Check ground rod connection. Inspect fence for vegetation contact or broken insulators. Allow battery to charge fully.
Indicator lights not working	Unit off, low battery, internal fault.	Check power switch. Allow battery to charge. If problem persists, contact support.
Reduced fence range	Excessive fence load (vegetation, poor insulation), insufficient grounding.	Clear vegetation from fence line. Replace damaged insulators. Improve ground system with additional ground rods if necessary.

SPECIFICATIONS

Feature	Detail
Brand	Gallagher
Model Number	G350414
Material	Iron (Internal components, enclosure is plastic)
Product Dimensions	8" L x 6" W x 11" H
Item Weight	1.63 Kilograms (3.58 pounds)
Efficiency	High Efficiency
Included Components	Solar Energizer, Fence and Ground Leads
Maximum Voltage	9.3 Kilovolts
Maximum Power	3.8 Watts
Battery Type	1 Lithium Ion battery (included)
Country of Origin	New Zealand

WARRANTY AND SUPPORT

Gallagher Lithium Electric Fence Chargers are protected by a **Three-Year Warranty**.

For technical support, warranty claims, or further assistance, please contact Gallagher North America directly.

Refer to the contact information provided in your product packaging or visit the official Gallagher website.

Note: Always refer to the latest information provided by the manufacturer for the most accurate and up-to-date warranty and support details.

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