

[Manuals.plus](#) /

› [Zareba](#) /

› Zareba 100 Mile AC Powered Low Impedance Electric Fence Charger - Model EAC100M-Z User Manual

Zareba EAC100M-Z

Zareba 100 Mile AC Powered Low Impedance Electric Fence Charger

Model: EAC100M-Z | Brand: Zareba

INTRODUCTION

The Zareba 100 Mile AC Low Impedance Fence Charger is a powerful 6-joule electric fence energizer designed to control a variety of animals, including pigs, goats, horses, cows, and more. It also serves to deter predators. This charger is capable of powering through heavy weeds, though maintaining a clear fence line is recommended for optimal performance. Note that extreme vegetation and certain poly products can reduce the overall power output. This UL-listed energizer plugs into any standard 2-prong electrical outlet and requires protection from weather conditions. It is built in the USA and tested with a full load at the manufacturing facility.

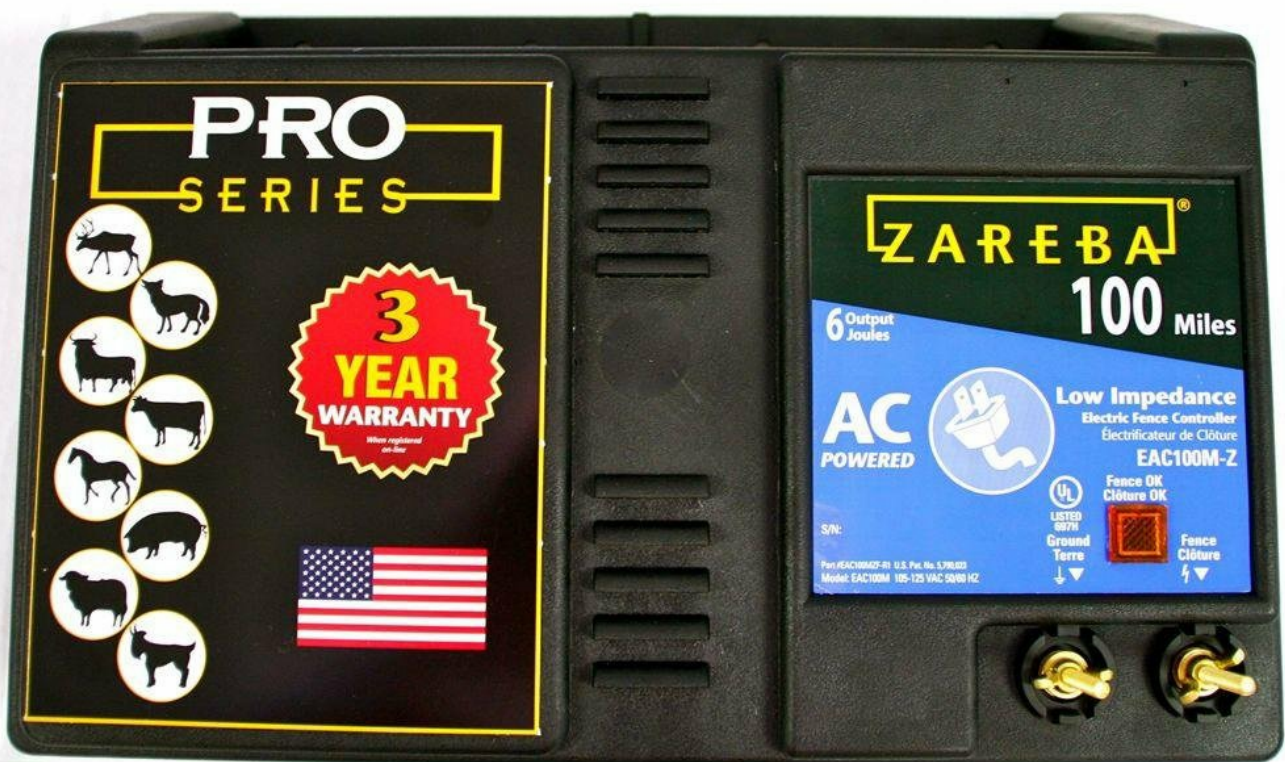


Image of the Zareba 100 Mile AC Powered Low Impedance Electric Fence Charger, showing its yellow and black casing.

KEY FEATURES

- **100 Mile Rating:** Energizes up to 100 miles of electric fencing in ideal conditions (no weeds) and up to 12 miles in heavy weed conditions.
- **Heavy Weed Performance:** Capable of energizing up to 25 miles in light weeds and up to 12 miles in heavy weeds.
- **Versatile Fence Compatibility:** AC-powered charger suitable for all types of electric fences, including high tensile, polywire, and polytape.
- **Durable Construction:** Features a rugged, heavy-duty cabinet designed to protect the internal circuitry from extreme weather conditions.
- **Powerful Output:** With 6.0 output joules, it effectively controls large animals and livestock such as cattle, bulls, exotics, goats, horses, and pigs.
- **USA Built:** Full-load tested in the U.S. after manufacturing, ensuring quality and reliability.

SETUP INSTRUCTIONS

1. **Location Selection:** Choose a location for the charger that is protected from direct weather exposure, as it is designed for indoor or sheltered use. It plugs into a standard 2-prong electrical outlet.
2. **Grounding System:** Install a robust grounding system. This typically requires three copper ground rods, each 6 to 8 feet long, driven into the earth. Ensure proper spacing and connection between the ground rods.
3. **High Voltage Cable:** Use appropriate 20,000V high voltage cable to connect the charger to the fence wire and to the ground rods. Ensure all connections are secure and insulated.
4. **Fence Line Connection:** Connect the high voltage output from the charger to your electric fence line. Ensure the fence line is properly installed with insulators to prevent energy loss.
5. **Power Connection:** Once all connections are secure and the fence line is clear, plug the charger into a standard 120V AC outlet.

Your browser does not support the video tag.

Video: An instructional video explaining the fundamental principles of how an electric fence operates, demonstrating the circuit and components involved.



Image illustrating an electric fence effectively containing various animals, highlighting its application for livestock management.

OPERATING INSTRUCTIONS

Once the Zareba EAC100M-Z charger is properly installed and connected, it will continuously energize your fence line. The low impedance design allows the charger to maintain voltage even with some vegetation contact. For optimal performance and maximum range, it is recommended to keep the fence line as clear of weeds and debris as possible. Excessive vegetation or the use of certain poly products can reduce the effective range and power of the fence.

Regularly inspect the fence line for breaks, shorts, or excessive vegetation. Use an electric fence tester to periodically check the voltage at various points along the fence to ensure it is operating effectively.



Image depicting different types of electric fences, including high tensile, polywire, and polytape, demonstrating the charger's versatility.

MAINTENANCE

- **Weather Protection:** Ensure the charger unit remains protected from rain, snow, and direct sunlight. While the cabinet is durable, prolonged exposure to harsh weather can affect its lifespan.
- **Clear Fence Line:** Regularly clear weeds, grass, and other vegetation from around and under the fence wires. This prevents shorts and maximizes the charger's effectiveness.
- **Inspect Connections:** Periodically check all electrical connections, including those to the fence line, ground rods, and power outlet, to ensure they are tight and free from corrosion.
- **Grounding System Check:** Verify that the ground rods are firmly in the soil and that their connections are intact. A poor ground can significantly reduce fence performance.
- **Visual Inspection:** Inspect the charger unit for any visible damage or wear.



Image showcasing the rugged and durable cabinet of the electric fence charger, designed for protection.

TROUBLESHOOTING

- **No Power Light:** If the indicator light on the charger is not working, first check the power outlet and the charger's plug connection. If power is present at the outlet, the internal light may be faulty, but the charger could still be functioning. Use a fence tester to verify output.
- **Weak Shock/Low Voltage:**
 - **Check Fence Line:** Inspect the entire fence line for shorts caused by vegetation touching the wires, broken

insulators, or wires touching posts.

- **Check Grounding:** Ensure the ground rods are properly installed and connected. A poor ground is a common cause of weak fence performance.
- **Check Connections:** Verify all high voltage cable connections are secure and free from corrosion.
- **Charger Not Working After Lightning:** The charger includes lightning damage coverage under warranty. If the unit stops working after a lightning storm, contact Zareba customer support for assistance.
- **Intermittent Operation:** Check for loose connections or intermittent shorts on the fence line. Ensure the power supply to the charger is stable.

For further assistance, refer to the warranty and support information below.

SPECIFICATIONS

Model	EAC100M-Z
Brand	Zareba
Power Source	AC (Plug-in)
Output Joules	6.0 Joules
Fence Coverage (Ideal)	Up to 100 Miles
Fence Coverage (Heavy Weeds)	Up to 12 Miles
Item Weight	8.1 Pounds
Color	Yellow, Black
Manufacturer	Woodstream Corporation

WARRANTY AND SUPPORT

The Zareba 100 Mile AC Powered Low Impedance Electric Fence Charger comes with a **2-year limited warranty** from the date of purchase. This warranty specifically includes coverage for damage caused by lightning, demonstrating the manufacturer's confidence in the product's durability.

To extend your warranty coverage to a **3-year limited warranty**, you must register your product online within a specified period after purchase. Please refer to the product packaging or the Zareba official website for detailed registration instructions and terms.

For technical support, warranty claims, or any questions regarding your Zareba electric fence charger, please contact Woodstream Corporation, the manufacturer. Contact information can typically be found on the product packaging or their official website.