

## Power Wizard PW1000

# Power Wizard PW1000 110V Plug-in Electric Fence Charger Instruction Manual

Model: PW1000

## 1. INTRODUCTION

This manual provides essential instructions for the safe and effective installation, operation, and maintenance of your Power Wizard PW1000 110V Plug-in Electric Fence Charger. The PW1000 is a low impedance electric fence energizer designed to provide reliable power for containing livestock and deterring predators.

Please read this manual thoroughly before using the product and retain it for future reference.

## 2. IMPORTANT SAFETY INSTRUCTIONS

**WARNING: Read and understand all instructions before using this electric fence charger. Failure to follow these instructions may result in electric shock, fire, or serious injury.**

- Do not connect the energizer to any other power source than a standard 110V AC outlet.
- Ensure proper grounding of the energizer. A dedicated ground rod is essential for safe and effective operation.
- Keep children and pets away from the electric fence and energizer.
- Do not install the energizer in wet locations or where it can be exposed to rain or excessive moisture.
- Disconnect the energizer from the power outlet before handling or performing any maintenance on the fence system.
- Avoid touching the fence with bare hands or any part of your body while the energizer is operating.
- Do not connect more than one energizer to the same fence system.
- Install warning signs on the electric fence at appropriate intervals, especially near public access points.

## 3. PACKAGE CONTENTS

Verify that all items are present and undamaged:

- 1x Power Wizard PW1000 Electric Fence Charger
- 1x Power Cord (integrated)
- This Instruction Manual

## 4. SETUP AND INSTALLATION

Follow these steps for proper installation of your PW1000 electric fence charger:

### 4.1 Mounting the Charger

Mount the PW1000 charger in a dry, sheltered location, protected from direct sunlight and moisture. Ensure it is easily accessible for connection and inspection. Use appropriate fasteners (not included) to secure the unit to a wall or post.

### 4.2 Grounding the Charger

Proper grounding is critical for the effective and safe operation of your electric fence. Install a minimum of one 6-foot (1.8 meter) galvanized ground rod at least 10 feet (3 meters) away from any other grounding systems (e.g., utility ground, water pipes). Connect the ground terminal (black terminal) on the PW1000 to the ground rod using a heavy-duty insulated wire (e.g., 12.5 gauge galvanized wire). Ensure all connections are secure and corrosion-free.

### 4.3 Connecting to the Fence

Connect the fence terminal (red terminal) on the PW1000 to your electric fence line using a heavy-duty insulated wire. Ensure the fence line is properly constructed with appropriate insulators and posts to prevent energy loss.

### 4.4 Power Connection

Once the ground and fence connections are secure, plug the integrated power cord of the PW1000 into a standard 110V AC grounded electrical outlet. The charger will immediately begin to energize the fence.

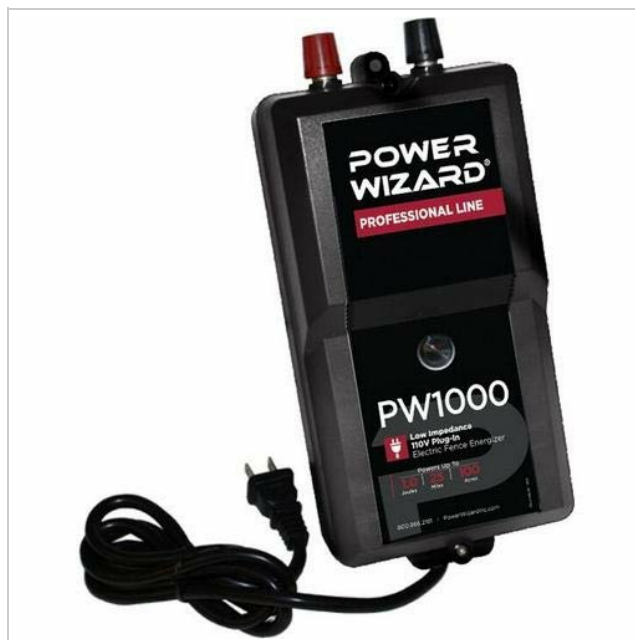


Figure 1: The Power Wizard PW1000 Electric Fence Charger. This image displays the compact black unit with its

integrated 110V plug, coiled power cord, and the red (fence) and black (ground) terminals at the top. The front panel shows the model number PW1000 and indicates it is a low impedance 110V plug-in electric fence energizer.

## 5. OPERATION

The Power Wizard PW1000 is designed for continuous operation. Once plugged into a 110V outlet, it will immediately begin to energize the fence.

- **Indicator Light:** The small circular indicator light on the front panel will flash with each pulse, confirming that the charger is operating and sending power to the fence.
- **Checking Fence Voltage:** Periodically check the voltage on your fence line using an electric fence tester (not included) to ensure adequate power output.
- **Turning Off:** To turn off the charger, simply unplug it from the 110V AC outlet.

## 6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your PW1000 charger and fence system.

- **Visual Inspection:** Periodically inspect the charger, power cord, and all connections for any signs of damage, wear, or corrosion.
- **Fence Line Inspection:** Regularly check the entire fence line for shorts caused by vegetation, broken insulators, or damaged wires. Clear any vegetation touching the fence.
- **Grounding System:** Ensure the ground rod connection remains secure and free of corrosion.
- **Cleaning:** Keep the charger unit clean and free of dust and debris. Use a dry cloth for cleaning. Do not use liquids.

## 7. TROUBLESHOOTING

If your electric fence system is not performing as expected, consult the following troubleshooting guide:

Problem	Possible Cause	Solution
No indicator light / No power to fence	<ul style="list-style-type: none"><li>• Charger unplugged</li><li>• No power from outlet</li><li>• Internal fault</li></ul>	<ul style="list-style-type: none"><li>• Ensure charger is securely plugged in.</li><li>• Test outlet with another appliance.</li><li>• Contact Power Wizard support.</li></ul>
Weak or inconsistent shock	<ul style="list-style-type: none"><li>• Poor grounding</li><li>• Fence shorted (vegetation, broken insulators)</li><li>• Loose connections</li></ul>	<ul style="list-style-type: none"><li>• Improve grounding system (add more ground rods).</li><li>• Inspect fence line and clear shorts.</li><li>• Tighten all fence and ground connections.</li></ul>
Indicator light flashes but fence is weak	<ul style="list-style-type: none"><li>• Heavy fence load (too much vegetation, long fence)</li><li>• Partial short on fence line</li></ul>	<ul style="list-style-type: none"><li>• Clear all vegetation from fence line.</li><li>• Inspect fence for partial shorts.</li><li>• Consider adding another energizer for very long fences (consult Power Wizard).</li></ul>

## 8. SPECIFICATIONS

- **Model:** PW1000
- **Input Voltage:** 110V AC
- **Output Energy:** 1 Joule
- **Fence Length Capacity:** Up to 100 miles (under ideal conditions)
- **Type:** Low Impedance Plug-in Electric Fence Energizer
- **Manufacturer:** Power Wizard

## 9. WARRANTY AND SUPPORT

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For warranty information, technical assistance, or to purchase replacement parts, please contact Power Wizard customer support. Refer to the product packaging or the official Power Wizard website for the most current contact details.

**Power Wizard Contact Information:**

- **Website:** [www.powerwizardinc.com](http://www.powerwizardinc.com)
- **Phone:** 800.866.2161