

Epoify EP-LD01

Epoify 24 Hour Solar Electric Fence Charger (Model EP-LD01) - User Manual

Model: EP-LD01 | Brand: Epoify

1. INTRODUCTION

This manual provides essential instructions for the safe and effective operation, installation, and maintenance of your Epoify 24 Hour Solar Electric Fence Charger, Model EP-LD01. Please read this manual thoroughly before using the product to ensure proper function and to prevent injury or damage.

The Epoify EP-LD01 is a portable solar-powered electric fence energizer designed to provide continuous protection for livestock and deter predators across fencing up to 10 miles in length. It features a 0.18 Joule output and a voltage range of 5700V to 10200V.

2. SAFETY INFORMATION

WARNING: Electric fences can deliver a painful but generally harmless shock. Improper installation or use can lead to serious injury or death. Always follow local regulations and safety guidelines.

- Do not connect the energizer to any other power source than specified.
- Keep children and unauthorized persons away from the electric fence.
- Do not touch the fence with your head, mouth, or any other body part.
- Avoid installing the fence near power lines or communication cables.
- Ensure proper grounding of the energizer.
- Regularly inspect the fence and energizer for damage. Disconnect power before performing any maintenance.
- Do not immerse the energizer in water.
- Install warning signs on the electric fence at appropriate intervals.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Epoify Solar Electric Fence Charger (Model EP-LD01)
- AC Adapter

- Cables with Alligator Clips (Red for fence, Black for ground)
- User Manual (This document)



Image 3.1: Epoify Solar Electric Fence Charger (Model EP-LD01) and included accessories: AC adapter and alligator clip cables.

4. PRODUCT FEATURES

- **Portable Design:** Lightweight and easy to transport for various applications.
- **24-Hour Operation:** Integrated solar panel and rechargeable lithium-ion battery ensure continuous power day and night.
- **Extensive Coverage:** Powers up to 10 miles of fencing.
- **High Voltage Output:** Delivers 5700V to 10200V to effectively deter animals.
- **Efficient Energy Output:** 0.18 Joules of stored energy for reliable deterrence.
- **Weather Resistant:** Designed for durability in various weather conditions.
- **Versatile Mounting:** Can be mounted on T-posts, Y-posts, or secured with screws.

FENCE CHARGER **24 HOURS** ONGOING PROTECTION



Sunrise



Solar Power



Sunset



Rechargeable Battery

Image 4.1: Illustration of the solar charger's 24-hour operation, utilizing solar power during the day and rechargeable battery at night.

SUPER LIGHTWEIGHTED FENCE CHARGER



Image 4.2: The fence charger is designed to be lightweight and portable, making it easy to transport across pastures, weighing approximately 3.2 pounds.

EFFECTIVELY REPELS WILDLIFE



Image 4.3: The electric fence charger effectively repels wildlife, such as wild boars, protecting crops and property.

KEEPING YOUR LIVESTOCK SAFE

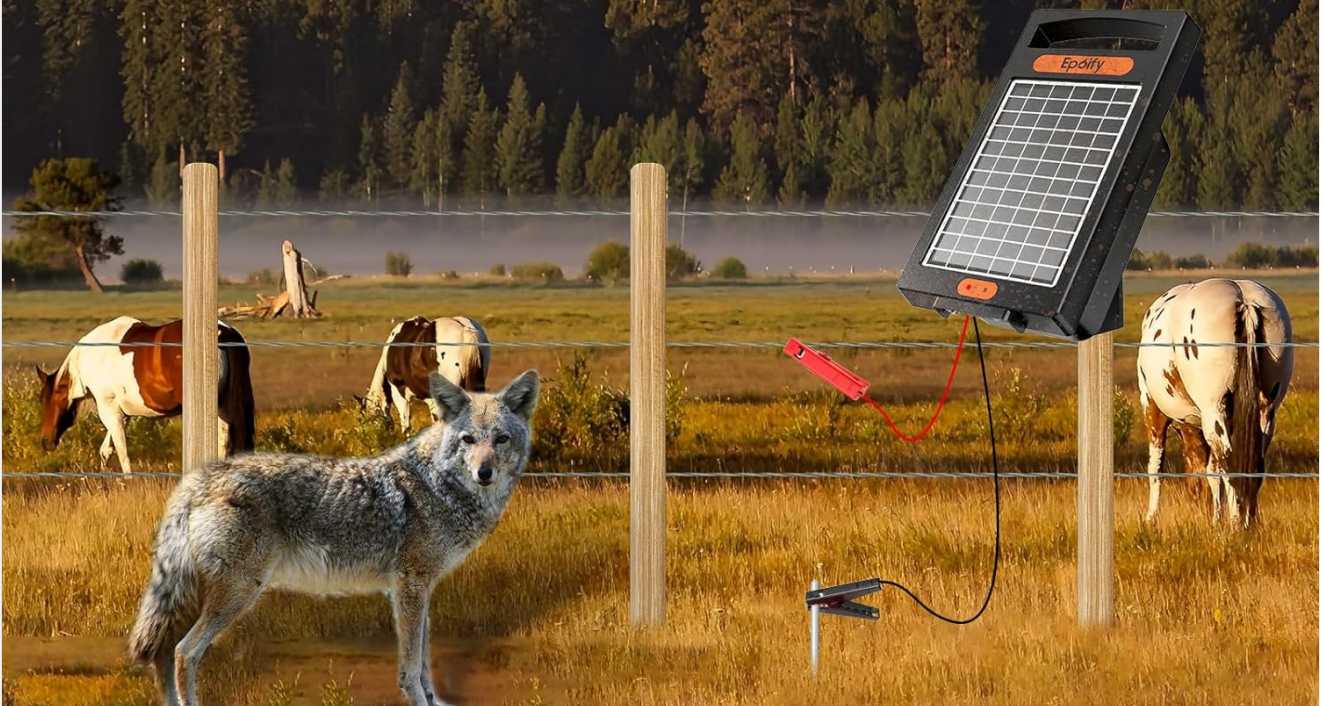


Image 4.4: The energizer helps keep livestock safe by deterring predators like coyotes from entering fenced areas.

5. SETUP INSTRUCTIONS

5.1 Initial Charging

Before first use, it is recommended to fully charge the internal battery using the provided AC adapter. This ensures optimal performance from the start.

1. Locate the charging port on the energizer.
2. Connect the AC adapter to the charging port.
3. Plug the AC adapter into a standard wall outlet.
4. Allow the unit to charge for at least 24 hours or until the charging indicator light (if present) indicates a full charge.

5.2 Mounting the Energizer

The energizer can be mounted in various ways to suit your fence setup.

- **T-Post/Y-Post Mounting:** The unit is designed to sit securely on top of a T-post or Y-post. Ensure the solar panel faces south for maximum sun exposure.
- **Screw Mounting:** Use appropriate screws to attach the energizer to a wooden post or wall.



Image 5.1: The fence charger offers flexible installation options, including mounting on T-posts, Y-posts, or directly with screws.

5.3 Connecting to the Fence and Ground

Proper connection to the fence and a good ground system are crucial for effective operation.

1. **Grounding:** Drive a galvanized ground rod (not included) into the earth at least 3 feet deep, preferably in a moist area. Connect the black alligator clip cable from the energizer's ground terminal to the ground rod.
2. **Fence Connection:** Connect the red alligator clip cable from the energizer's fence terminal to the electric fence line. Ensure a secure connection.
3. **Solar Panel Orientation:** Position the energizer so the solar panel receives direct sunlight throughout the day. Facing it south (in the Northern Hemisphere) is generally recommended.

10 MILES PROTECTING DISTANCE



Image 5.2: The solar fence charger installed on a post, connected to an electric fence line and a ground rod, providing protection over a wide area.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

Locate the power switch on the bottom of the unit. Flip the switch to the "ON" position to activate the energizer. Flip it to "OFF" to deactivate.

6.2 Indicator Lights

The energizer typically features indicator lights:

- One light indicates power is on.
- Another light (often flashing) indicates the fence is pulsing.

6.3 Continuous Operation

Once activated and properly installed, the Epoify EP-LD01 will operate continuously. The solar panel recharges the internal battery during daylight hours, allowing the unit to function throughout the night without interruption.

WORKING IN **HARSH WEATHER**



Image 6.1: The Epoify solar fence charger is designed to operate reliably in various weather conditions, including rain, providing consistent protection.

7. MAINTENANCE

Regular maintenance ensures the longevity and effectiveness of your fence charger.

- **Solar Panel Cleaning:** Periodically clean the solar panel surface with a soft, damp cloth to remove dust, dirt, or debris that may reduce charging efficiency.
- **Fence Line Inspection:** Regularly check the fence line for vegetation growth, broken wires, or insulators. Vegetation touching the fence can reduce its effectiveness by grounding the circuit.
- **Connections:** Ensure all connections (fence, ground, and power cables) are secure and free from corrosion.
- **Ground Rod:** Verify the ground rod remains firmly in the soil and that its connection is intact.
- **Winter Storage:** If storing the unit for extended periods, especially in cold climates, ensure the battery is fully charged before storage and recharge it every 3-6 months to maintain battery health. Store in a dry, temperate location.

8. TROUBLESHOOTING

If your Epoify Solar Electric Fence Charger is not performing as expected, consult the following table:

Problem	Possible Cause	Solution
No pulse/indicator light off	Unit is off Low battery charge Faulty connections	Turn the unit ON. Charge the unit using the AC adapter or ensure sufficient sunlight for the solar panel. Check all cable connections.
Weak shock/low voltage	Poor grounding Fence shorting (vegetation, broken insulators) Insufficient solar charging	Improve ground rod connection or add more ground rods. Clear vegetation from the fence line. Replace damaged insulators. Ensure solar panel is clean and receives direct sunlight. Fully charge with AC adapter if needed.
Unit not charging via solar	Dirty solar panel Incorrect solar panel orientation Prolonged cloudy weather	Clean the solar panel surface. Adjust the unit's position for optimal sun exposure. Use the AC adapter for charging during extended periods of low sunlight.

9. SPECIFICATIONS

Feature	Detail
Brand	Epoify
Model Number	EP-LD01
Material	ABS
Product Dimensions	6.6"L x 4.3"W x 8.2"H
Item Weight	3.16 pounds (1.44 Kilograms)
Efficiency	High Efficiency
Output Voltage	5700V - 10200V
Energy Output	0.18 Joules
Fence Coverage	Up to 10 Miles
Battery Type	Lithium Ion (1 included)
Power Source	Solar + AC power

10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the official Epoify website or contact your retailer. Keep your purchase receipt as proof of purchase.

For technical assistance or inquiries, please contact Epoify customer service through their official channels.