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› Briidea Solar Electric Fence Charger User Manual (Model: Briidea-SFC-0.2J-5.6M-9KV)

briidea Briidea-SFC-0.2J-5.6M-9KV

Briidea Solar Electric Fence Charger User Manual

Model: Briidea-SFC-0.2J-5.6M-9KV

Brand: briidea

1. INTRODUCTION AND OVERVIEW

The Briidea Solar Electric Fence Charger is designed to provide a reliable, cost-effective, and environmentally friendly solution for electrifying fences. Ideal for remote areas or locations without easy access to traditional power sources, this charger utilizes solar energy to power multi-wire electric fences, effectively deterring various animals and protecting your property.

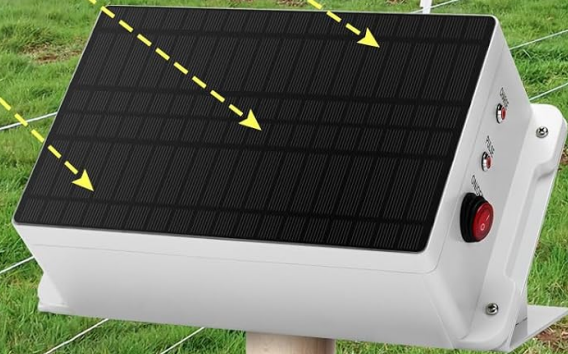
Key features include:

- Supports multi-wire electric fences up to 5.6 miles.
- Delivers up to 0.2 joules of energy.
- Built-in 18V solar panel and 12V rechargeable battery for up to 2 weeks of standby power in rainy weather.
- IP66 Weatherproof Design for durability in various outdoor conditions.

Solar Fence Charger



Built-in 12V Rechargeable Battery: Operates up to 2 weeks without sunlight



Reliability



Environmental
Friendly



Save your electricity
expenses

Image: The solar fence charger operating in a field, demonstrating its solar charging capability and suitability for livestock areas.



Image: The solar charger emphasizing its built-in 12V rechargeable battery and ability to operate for up to 2 weeks without direct sunlight.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installing and operating the Briidea Solar Electric Fence Charger. Failure to follow these instructions may result in electric shock, injury, or damage to the product.

- **High Voltage Warning:** Electric fence chargers produce high voltage pulses. Avoid contact with the fence line when the charger is active.
- **Children and Animals:** Keep children and untrained animals away from the electric fence. Post warning signs on the fence.
- **Grounding:** Proper grounding is essential for safe and effective operation. Ensure the ground rod is securely installed as per instructions.
- **Installation:** Do not install the charger near flammable materials or in areas prone to flooding.
- **Maintenance:** Disconnect the charger from the fence and ground before performing any maintenance or repairs.
- **Power Source:** This unit is designed for solar power. Do not connect it to mains electricity.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- 1 x Briidea Solar Electric Fence Charger Unit
- 1 x Ground Rod (typically included, or purchased separately)
- 1 x User Manual

4. SPECIFICATIONS

Feature	Specification
Brand	briidea
Model Number	Briidea-SFC-0.2J-5.6M-9KV
Material	Aluminum, Monocrystalline Silicon, Tempered Glass
Efficiency	High Efficiency
Maximum Voltage	9 Volts (Input)
Output Voltage	9 Kilovolts (9 KV)
Maximum Power	9 Kilowatts (Output)
Energy Output	0.2 Joules
Fence Length Capacity	Up to 5.6 miles (multi-wire)
Battery Standby	Up to 2 weeks without sunlight (after full charge)
Weatherproof Rating	IP66
Connector Type	MC4

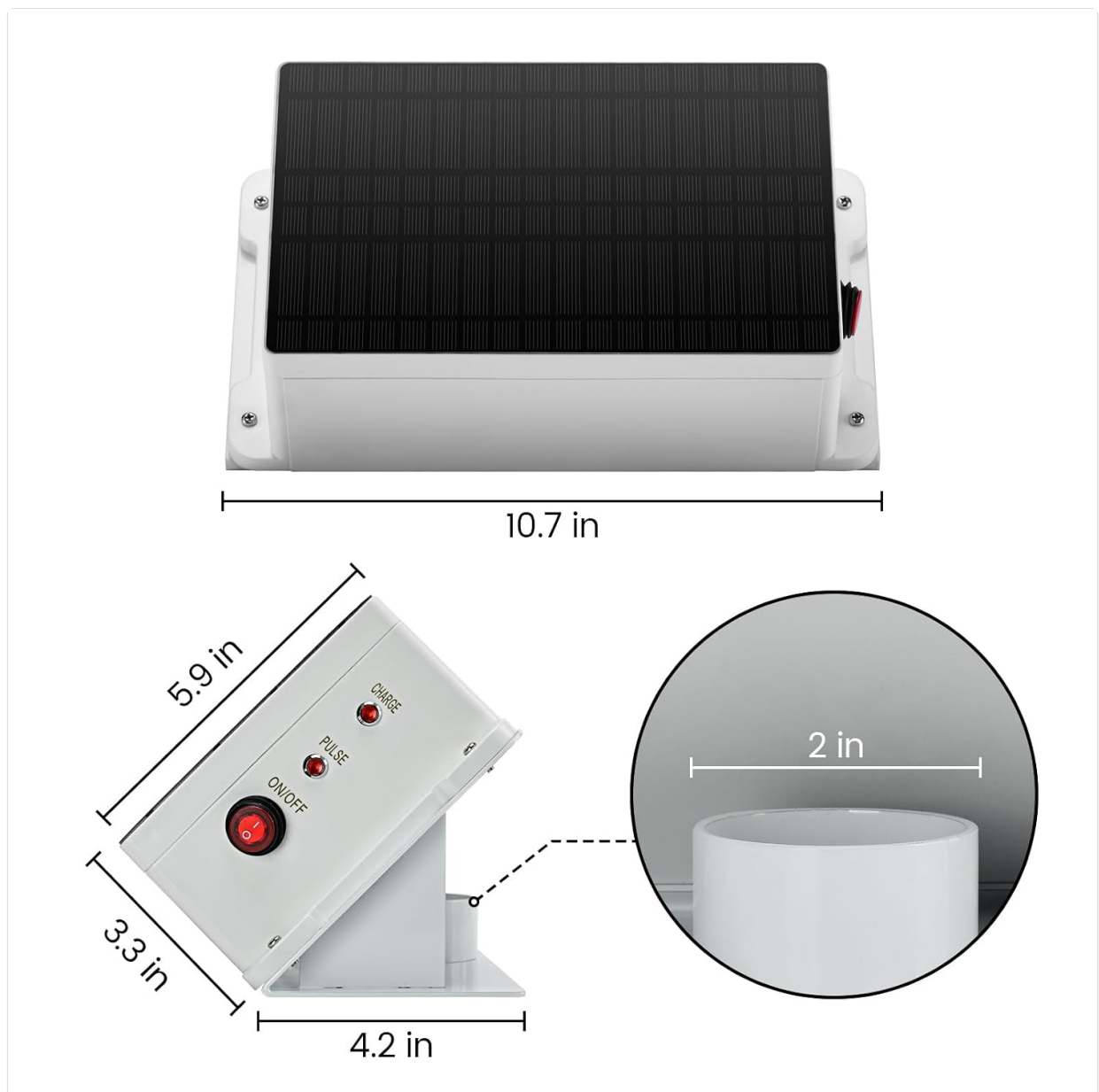


Image: Physical dimensions of the charger (10.7 in x 5.9 in x 3.3 in x 4.2 in) and a detail of the 2-inch diameter mounting cylinder.

5. SETUP AND INSTALLATION

The Briidea solar electric fence charger is designed for easy installation. Follow these steps for optimal performance:

5.1 Choose a Location

- Select a location that receives maximum direct sunlight throughout the day to ensure efficient charging of the internal battery.
- Ensure the location is clear of obstructions like trees or buildings that could shade the solar panel.

5.2 Mounting the Charger

The charger can be mounted in several ways:

- **On a Post:** The unit can be installed directly on a cylinder (post) with a diameter of 2 inches. Secure it firmly using appropriate fasteners.
- **On a Wall:** Lay it flat on a higher wall, ensuring the solar panel faces the sun.

5.3 Grounding the Unit

Proper grounding is critical for the fence charger to function correctly and safely:

- Drive a ground rod (at least 6 feet long) into the earth in a moist area, away from building foundations.
- Connect the ground terminal (black terminal) on the charger to the ground rod using a suitable insulated wire.

5.4 Connecting to the Fence Wire

- Connect the fence output terminal (red terminal) on the charger to your electric fence line using an insulated wire.
- Ensure all connections are tight and secure.



Image: Connection diagram illustrating the proper wiring for the ground system and the electric fence.



Image: The charger mounted on a post, demonstrating its IP66 waterproof rating in a rainy outdoor environment.

6. OPERATING INSTRUCTIONS

6.1 Initial Charge

Before first use, allow the charger to sit in direct sunlight for at least 72 hours with the power switch in the OFF position. This ensures the internal battery is fully charged for optimal performance.

6.2 Turning On/Off

- Locate the ON/OFF switch on the side of the charger.
- To activate the fence, switch the button to the 'ON' position.
- To deactivate the fence, switch the button to the 'OFF' position.

6.3 Indicator Lights

The charger features two LED indicator lights:

- **CHARGE Indicator:** This light indicates the charging status of the internal battery. It will illuminate when the solar panel is actively charging the battery.
- **PULSE Indicator:** This light flashes with each electric pulse sent through the fence line. A consistent

flash indicates proper operation.

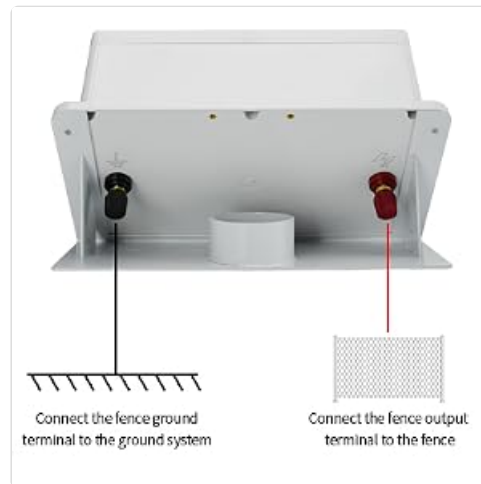


Image: Detail of the charger's control panel, highlighting the ON/OFF switch and the CHARGE and PULSE LED indicators.

7. MAINTENANCE

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

- **Clean Solar Panel:** Periodically wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris that may reduce charging efficiency.
- **Check Connections:** Regularly inspect all wire connections (fence and ground) to ensure they are secure and free from corrosion. Loose connections can reduce fence effectiveness.
- **Inspect Fence Line:** Check the entire fence line for vegetation growth, broken insulators, or damaged wires that could cause shorts and reduce the fence's power. Clear any vegetation touching the fence.
- **Battery Care:** While the battery is internal and rechargeable, ensure the unit receives adequate sunlight to keep it charged, especially during prolonged periods of inactivity.

8. TROUBLESHOOTING

If you encounter issues with your Briidea Solar Electric Fence Charger, refer to the following troubleshooting guide:

8.1 No Pulse or Weak Pulse

- **Check Solar Panel:** Ensure the solar panel is clean and receiving direct sunlight.
- **Check Battery Charge:** Allow the unit to charge in direct sunlight for 2-3 days. The CHARGE indicator should be on during daylight hours.
- **Inspect Connections:** Verify that the fence and ground connections are secure and free of corrosion.
- **Fence Shorts:** Check the fence line for any vegetation touching the wires, broken insulators, or damaged wires that could be causing a short circuit. Disconnect sections of the fence to isolate the problem area.
- **Grounding:** Ensure the ground rod is properly installed and making good contact with moist earth.

8.2 Charger Not Holding Charge

- **Insufficient Sunlight:** The unit may not be receiving enough sunlight to fully charge the battery. Relocate the charger to a sunnier spot.
- **Aging Battery:** Over time, rechargeable batteries can lose capacity. If the unit is several years old, the internal battery may need replacement (contact support for service options).

8.3 Fence Not Deterring Animals

- **Low Voltage:** Use a fence voltage tester to check the voltage on the fence line. If it's significantly lower than 9 KV, refer to 'No Pulse or Weak Pulse' troubleshooting.
- **Animal Acclimation:** Some animals may require a few encounters to learn to avoid the fence.
- **Fence Design:** Ensure the fence design is appropriate for the animals you are trying to deter (e.g., correct wire spacing and height).

9. WARRANTY AND SUPPORT

Briidea products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please contact Briidea customer service through their official website or the retailer where the product was purchased. Please have your model number (Briidea-SFC-0.2J-5.6M-9KV) and purchase date available when contacting support.