

the other end of the Ground Lead to the Ground Rod in the way shown so it does not accidentally become disconnected (see picture below).



2. Install the Power Lead from the Energizer to the Fence. Remove the red nut from the bottom of the Energizer and place the ring terminal from the Power Lead over the threaded stud. Reinstall the red nut. **Do NOT over-tighten this nut or you may damage the Energizer.** Hook the wire fork end of the Power Lead onto the Poly Tape (see picture below). Cut a strip of poly tape as a jumper wire to connect the upper and lower strands of poly tape to complete the electrical connection between them.



Powering the Energizer and Connecting the Solar Panel:

The energizer can only be powered by a 12 volt power source. We recommend using a large capacity deep cycle battery such as those used for marine or RV applications since it will have threaded studs for connecting the Solar Panel. Once all connections listed below are made, the fence will be ON and the Solar Panel will charge the battery. To turn the fence OFF, disconnect the red Energizer clamp from the battery.

1. Connect the black ring terminal from the Solar Panel lead to the negative (-) stud on the battery.
2. Connect the red ring terminal from the Solar Panel lead to the positive (+) stud on the battery.
3. Connect the black clamp from the Energizer lead to the negative (-) stud on the battery.
4. Connect the red clamp from the Energizer lead to the positive (+) stud on the battery.

Note:

Battery Life: With average sunlight and a 24 or 27 series deep cycle battery, the solar panel will prevent the battery from discharging. Vegetation contact with the wire will drain the battery faster, so it is recommended the vegetation be cleared below the powered Poly Tape.

NOT WARRANTED AGAINST MISUSE, ABUSE, OR COMMERCIAL USE.

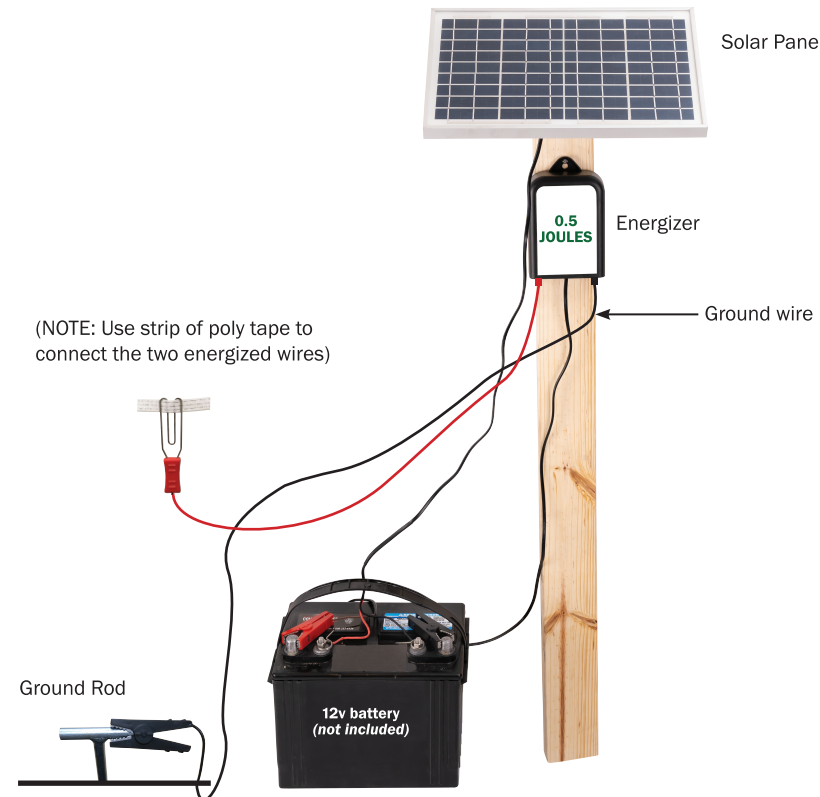
LIMITED LIFETIME WARRANTY:

Battenfeld Technologies, Inc. (BTI) warrants that its Hooyman® products will be free from defects in materials and workmanship for a period of one (1) year from the date of manufacture or, upon presentation of a dated sales receipt, from the date of original retail purchase. For complete limited lifetime warranty terms and conditions please visit <https://www.btibrands.com/warranty/or> contact us at the address on page 6.

For warranty service call Customer Service at 1-877-509-9160, or fill out the contact form at hooymansaws.com/contact.

Tips:

- Trim or spray vegetation under the Poly Tape to minimize contact and increase battery life.
- If vegetation contact is inevitable, fully charged deep cycle batteries can be rotated periodically to maintain a proper charge for the enclosure system.
- A battery box, piece of wood or rubber used to elevate the battery off the ground can increase battery life.
- Larger reserve capacity batteries will last longer.
- Position the Solar Panel so it received the most direct sunlight possible throughout the day.
- Wire tensioners can be used to eliminate any slack that develops in the Poly Tape or Rope.



IF YOU NEED FURTHER HELP assembling or operating your Hooyman® Hot Zone Food Plot Fence, or are missing a piece of a equipment listed on the reverse side, **DO NOT** return the product to where you purchased. Call customer service at 1-877-509-9160 or visit hooymansaws.com/ contact and fill out the contact form.

Customer service is available Monday–Friday, 8am–5pm, CST.



1800 North Route Z
Columbia, MO 65202
www.aob.com



HOT ZONE™ GARDEN FENCE INSTRUCTIONS

0.5 JOULES

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READ THESE INSTRUCTIONS IN THEIR ENTIRETY BEFORE YOU SET UP YOUR FENCE.

⚠ WARNING: ELECTRIC SHOCK HAZARD

- DO NOT connect the fence to any other electric device.
- Lightning may strike your fence. A severe electric shock hazard exists to anything connected to the fence or in near proximity to the grounding system.
- If connecting energizer to AC power source, only use the provided AC adapter. The energizer connected to AC power shall be covered adequately to protect it from rain, snow or other moisture.
- DO NOT Charge the battery with a battery charger while the energizer is connected. Disconnect and remove battery if re-charging is necessary.
- DO NOT connect more than one energizer to the fence at one time.
- DO NOT connect two fences to the same energizer.
- Keep fence at least 2 yards away from other fences with metal posts.
- DO NOT connect energizer to barbed wire or razor wire.
- DO NOT install fence or grounding system within 10 yards of electrical power lines, telephone lines, or telecommunications equipment.
- If running leads underground, use insulated wire and conduit rated for a minimum of 12,000 volts. Prevent water from entering conduit.
- Keep young children away from the electric fence at all times.
- DO NOT touch the fence with head, neck or torso.
- DO NOT climb over, through or under a multi-wire electric fence. Use a gate or disconnect the fence wires to cross.
- DO NOT put electric fence in areas of public access.
- Clearly mark the electric fence in several locations if located where people unfamiliar with the fence may come into its proximity. Check your local and state laws regarding placement of electric fences.
- Keep fence clear of obstructions or other objects that could potentially cause a person or animal to become entangled in the fence.
- DO NOT use a water pipe, well, or your main power system ground as the ground for your energizer. If lightning were to strike the fence, the current could travel through the system causing a severe electrical shock hazard.
- Place the grounding rod in a location that will not cause a person or animal to trip into fence or be trapped between the ground wire and the fence.
- DO NOT attempt to service or repair the energizer yourself. Call Customer Service at number on the front of these instructions.
- Always mount the energizer securely so that it will not fall if bumped by an animal or person.

⚠ WARNING: FIRE HAZARD

- Disconnect energizer if conditions are extremely dry and represent high risk of fire.
- Keep combustible materials away from fence, energizer and battery.

Principle of Operation:

The Hot Zone™ Garden Fence is a combination of poly rope and electric tape designed for wild-life management. The energizer generates short electric pulses that travel along the electric tape. The system is “Earth Grounded” meaning the energizer links with the soil through a ground rod. The Poly Tape is “Hot”. When an animal touches the Poly Tape, an electric circuit is formed and the animal is hit with a sharp shock and is deterred.

The ideal time to setup the Garden Fence is right after it has been planted. It is critical to protect the garden from the first day.

Common uses:

Protection of

- Food Plots
- Flower Gardens
- Any other area that needs protection from animals
- Vegetable Gardens
- Trees

Contents:

Energizer (0.5 joules)	1	Poly Rope, 0.1" x 220yds (non-conductive)	1
Solar Panel (10 watts)	1	Poly Tape, 0.5" x 220yds (0.25 OHM)	1
Mounting Bracket	1	Rod Insulators	24
M6 Mounting Screws	2	Corner Insulators	16
Fiber Glass Rods 1/2" x 47"	4	Wire Tensioners	4
Fiber Glass Rods 3/8" x 47"	6	Ground Rod	1
		Rod Cap	1



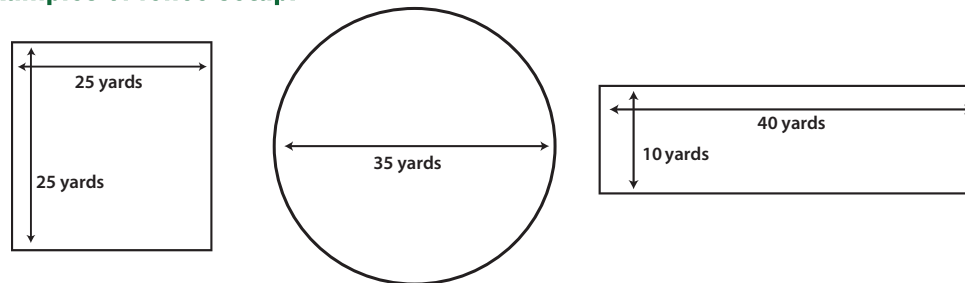
NOTE: only 5 rod insulators pictured

Setting up the Fence:

When setting up the Garden Fence, lay out the posts so your spacing is approximately the same between each post. For the example below, we are going to assume a square 25yd x 25 yd Area. The length of the Poly Tape is 218 yards (200m) and we suggest having 2 strands energized, so the maximum length of the perimeter is about 100 yds.

After choosing the shape, deciding where to set the poles can be determined through a number of methods: using a range finder, walking off the distance or using a tape measure. Any of these will work and will allow you to lay out the fence appropriately.

Examples of fence setup:



*** For the example in this manual we will be using a 25yd x 25yd square. ***

Setting the Posts:

1. Start in one Corner and hammer in one ½" post about 12"–18" deep. Use the Rod Cap to protect the top of the Post while driving it.
2. Measure 25 yds and hammer in your second ½" corner post the same way.
3. Repeat Step 2 until you have a square formed that is 25 x 25 yds
4. Start at one corner and work towards the next corner hammering in a 3/8" post about 12"–18" deep at 12.5 yard increments or 1 per side. Six line posts are included, so you can add an additional post on 2 of the sides if you like.
5. Repeat Step 4 until all sides have 3/8" posts in place and a square of the outer perimeter is formed.

Tips:

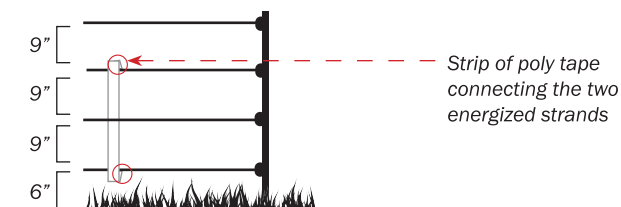
- Wear gloves when handling fiberglass Posts to protect your hands from irritation.
- Use the Rod Cap to protect the top of the Posts from deforming while driving them into the ground.
- Since the Corner Posts are not as rigid as a metal T-Post or Wooden Post, setting them so they lean outward will help maintain tension on the Wire when it is pulled tight to eliminate slack.

Running the Wire/Tape:

1. Select an outside perimeter corner where the energizer, battery and solar panel will be located. Consider where the maximum sunlight will be available for the solar panel.
2. Cut a section of Poly Rope about 16"–20" long and tie a Corner Post Insulator to the ½" Post.
3. Tie the end of the Poly Tape to the Corner Post Insulator and unspool it as you walk around the outer perimeter.
4. As you turn each corner, stop and attach the Corner Post Insulator to the ½" Post. Make sure you pull the Poly Tape through the Insulator before you attach it to the post
5. Once back at the corner you started with, pull the wire to eliminate slack.
6. Thread the loose end of the Poly Tape through the Wire Tensioner and move it down the wire a couple feet.
7. Tie the loose end of the wire to the other end you started with so you have a complete loop.
8. Place Line Post Insulators on each Line Post to hold the Poly Tape approximately 6" above the ground.

– continued –

9. Repeat the above steps for the next strand of Poly Tape and both strands of Poly Rope. Place the Line Post Insulators approximately 9" apart to space the strands evenly.



10. Slack in the Outer and Inner perimeters can be removed with the Wire Tensioners.

Tips:

- A dowel rod placed through the spool of wire makes the unspooling process go faster.
- Consider using a knot for the wire that can be untied for disassembly of the fence.
- An optional method of connecting two sections of wire for maximum conductivity is to tie the sections together leaving 2" of wire as tag ends. Melt the tag ends and twist the bare wires together. (see photo below)



Mounting the Energizer/Solar Panel:

At the corner where the best sunlight will be available, drive a 5 ft long 2"x 4" into the ground 12" deep (or until stable). Make sure you drive this post close enough to the fence for the Power Lead to reach from the Energizer to the Poly Tape (approximately 4 ft). Drive a nail or screw into the Post about 2-3 ft above the ground to hang the Energizer on.

Determine which side of the Post receives the most sunlight. Hold the Solar Panel Bracket up to the side of the Post and mark the location for the 2 holes using the Bracket keyholes as a reference. Install the two Wood Screws into the Post at the marked hole locations leaving the Wood Screw heads protruding enough for the Solar Panel Bracket to slip over. Attach the Bracket to the Solar Panel with the machine screws provided (need picture below). Attach the Bracket and Solar Panel assembly to the side of the Post by slipping the Bracket keyholes over the heads of the Wood Screws. Snug the Wood Screws up if needed to hold the Bracket securely.

Ground Connection:

Grounding the energizer is the key to a successful electric fence system. Use the 3 ft galvanized rod included in the kit to ground your system. Drive the ground rod in the soil close to the post where the energizer is located so the Ground Lead will reach from the Energizer to the Ground Rod. Drive the Ground Rod until only 2" is exposed above ground level. If the conductivity of the ground is poor due to dry or sandy soils, we recommend a second ground rod is added to help with conductivity. By doing so, the system should work as efficiently as the ideal condition of normal soil and one ground rod.

Connecting the Components:

1. Install the Ground Lead from the Energizer to the Ground Rod. Remove the black nut from the bottom of the Energizer and place the ring terminal from the Ground Lead over the threaded stud. Reinstall the black nut. **Do NOT over-tighten this nut or you may damage the Energizer.** Clamp