

POWER

Electrifying Your Fence



The Gallagher Story



Welcome to Gallagher electric fencing.

My father pioneered the first Gallagher electric fencing system way back in the 1930's and that spirit still drives us today.

It's decades of field expertise around the world that sets us apart, we're constantly talking to customers every day and feeding that back into our extensive R&D team.

If you don't find the right Power system for your needs then please ask store personnel to assist you.

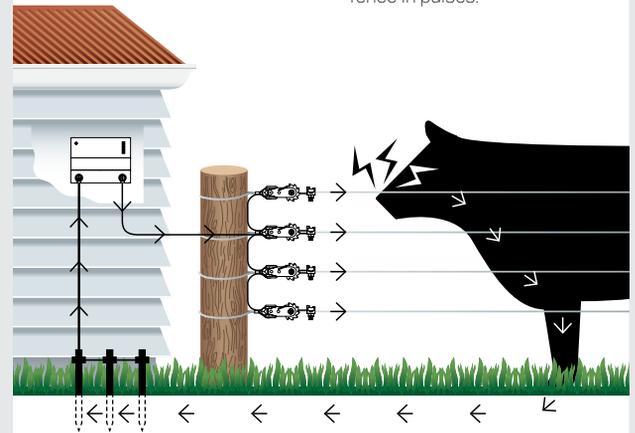
Best regards,

Sir William Gallagher

How Electric Fencing Works

A short, safe and memorable shock to create a psychological as well as a physical barrier.

1. Energizer (power) is connected to the fence and the ground.
2. Power is sent along the fence in pulses.



3. Animal receives shock when it touches the fence.

IMPORTANT: For good animal control in dry, frozen or snow conditions, use a Ground Return System as part of your fence construction. See page 18.

SAFE

Animals remember and develop a respect for the fence

DURABLE

Stock pressure on your fence is reduced so it lasts longer

EASY TO INSTALL

Less than half the time to build vs a non-electric fence

ECONOMICAL

Costs less to build and maintain than a non-electric fence

Your step by step guide to selecting the right Energizer.

START HERE...

Step 1

Choose your Energizer TYPE

Step 2

pg. 6-15

Select the Energizer SIZE and power system PARTS

Step 3

pg. 16

Locate your product on the GALLAGHER SHELF

Step 4

Find the FENCE SYSTEM brochure for your animals.

The Energizer is the heart of your fencing system, chosen correctly it will control animals even over long fence distances.

CHOOSE YOUR ENERGIZER TYPE

Do you need to move your Energizer?

NO

110v Energizer Systems

Best choice if you have reliable 110v power.

pg.6



12v Battery Energizer Systems

For remote areas with no 110v power or unreliable 110v power.

pg.10



YES

Integrated Solar Energizer Systems

Integrated solar powered units.

pg.12



Portable Battery Energizer Systems

Integrated battery powered units.

pg.14



Step 2 - 110v Energizer Systems

Best choice if you have reliable 110v power.

POWER

FOR FULL RANGE PLEASE SEE NEXT PAGE.

250 ACRES



M1000
G382504
For large pastures, includes digital voltage read out

150 ACRES



M600
G381504
For medium pastures, includes output voltage bar graph

85 ACRES



M300
G382504
Suitable for smaller pastures, includes output voltage bar graph

30 ACRES



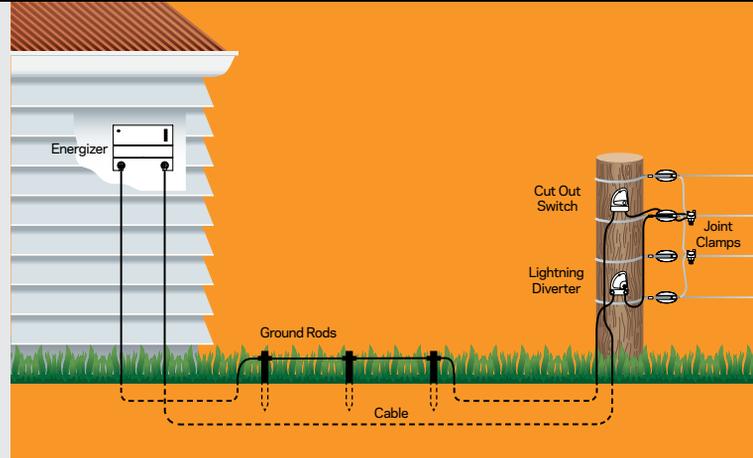
M100
G330414
Simple and reliable, suitable for smaller acreages



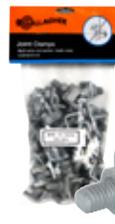
GROUND ROD KIT
A655
Galvanised rods with easy cable connections



LIGHTNING DIVERTER
G64800
Protects energizer from lightning damage



CONSTRUCT



L JOINT CLAMP
G6030
Securely connects cable to fence



CUT OUT SWITCH
G607
Turn fence on/off for maintenance

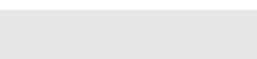
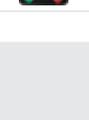
CONDUCT



DOUBLE INSULATED HARD CABLE
G6270
Cable with robust outer insulation layer for connecting energizer to fence and ground rods.

Step 3 Go to page 16

Step 2 - 110v Energizers Selection Chart

Model	Stored Joules *	Acres / Hectares	Miles / Kms	Animals Controlled	
MR5000	50	2000/800	75/120		
MBX2500	25	1000/400	50/80		
MR2500	25	1000/400	50/80		
M1800	18	420/170	42/68		
MBX1500	15	400/160	40/65		
M1000	10	250/100	34/55		
M600	6	150/60	25/40		
M300	3	85/35	17/28		
M150	1.5	60/24	11/18		
M100	1	30/12	6/9		
M50	0.5	20/8	3/5		
M20	0.2	8/3	1.3/2		

* Best way to compare energizers as it's not affected by shorting or poor grounding.

Step 2 - 12v Battery Energizer Systems

For remote areas with no 110v power or unreliable 110v power.

POWER

400 ACRES



B1600
G39600
For larger pastures. Includes battery life save modes.

200 ACRES



B700
G39500 (AFR700 includes 40w solar panel)
For medium pastures. Includes battery life save modes.

110 ACRES



B280
G366504
Includes battery life save modes, battery check function and optional 110v power supply.

90 ACRES



B180
G364504 (AFR180 includes 10w solar panel)
Includes battery life save modes, battery check function and optional 110v power supply.

60 ACRES



B80
G362504
Battery voltage check function

40 ACRES



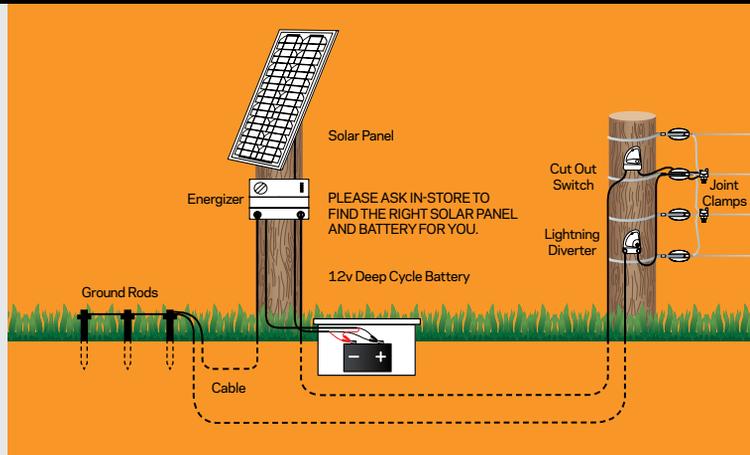
B60
G351504
Entry level model



GROUND ROD KIT
A655
Galvanised rods with easy cable connections



LIGHTNING DIVERTER
G64800
Protects energizer from lightning damage



CONSTRUCT



L JOINT CLAMP
G6030
Securely connects cable to fence



CUT OUT SWITCH
G607
Turn fence on/off for maintenance

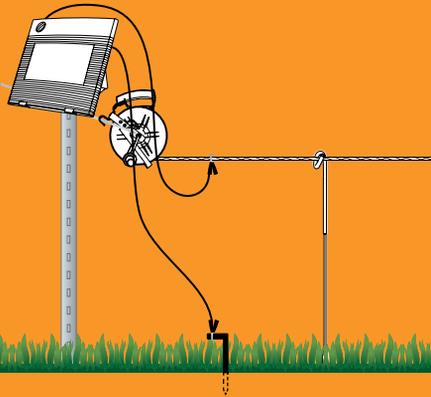
CONDUCT



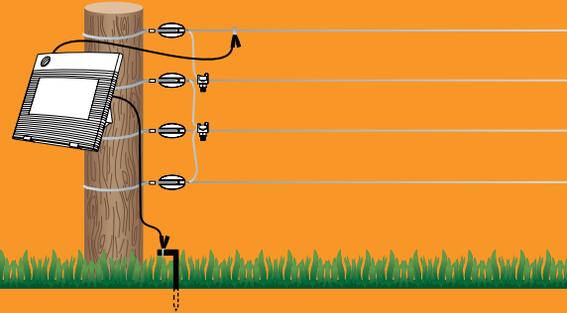
DOUBLE INSULATED HARD CABLE
G6270
Cable with robust outer insulation layer for connecting energizer to fence and ground rods.

Step 2 - Integrated Solar Energizer Systems

Fully integrated self-charging portable Energizers for use in remote areas.



Note:
Gallagher Solar Energizers
can also be permanently mounted.



POWER

90 ACRES



B200
G3993SK
High power (B200) and medium power (B100) portable solar energizers. Powered by 12v battery (not included), charged by solar panel (included).

60 ACRES



B100
G392SK

30 ACRES



S50
G359404
12v battery included

14 ACRES



S20
G357404
12v battery included

10 ACRES



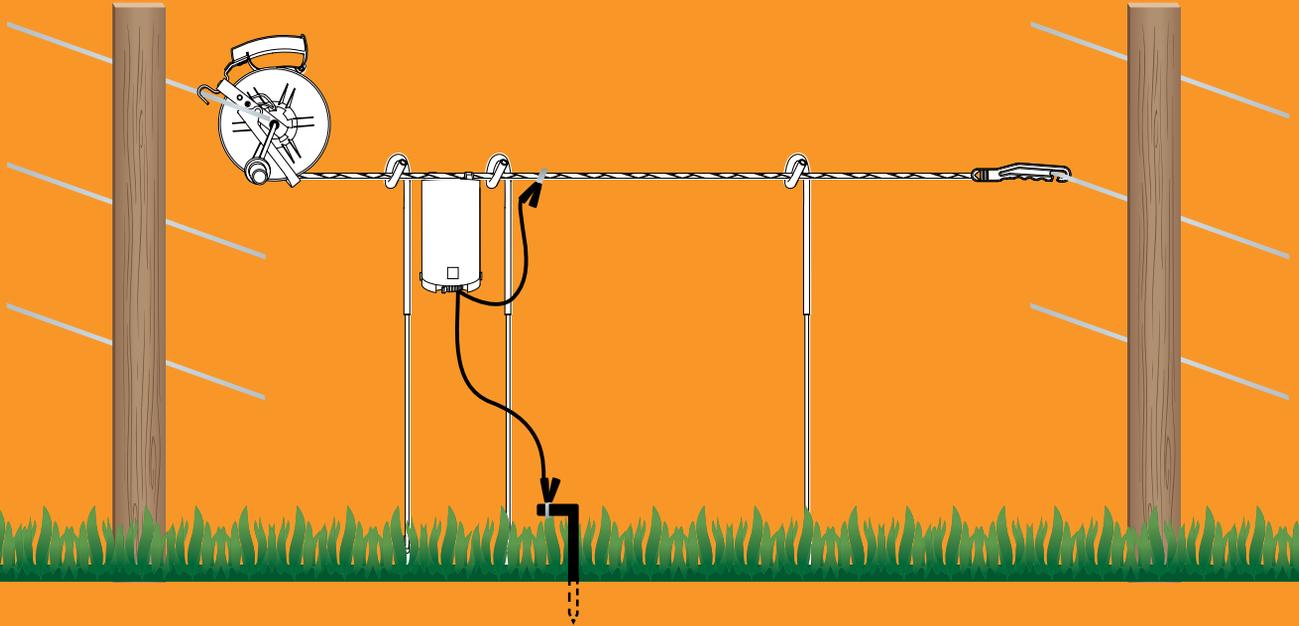
S17
G344404
6v battery included

GROUND ROD
A351
Galvanised for long life



Step 2 - Portable Battery Energizer Systems

Flexible solutions for remote areas and/or applications that need a portable energizer eg. strip grazing.



POWER

60 ACRES



B80
G362504
Powered by external 12v battery (not included). Energizer hangs on fence wire or clip to T post. Battery check function.

6 ACRES



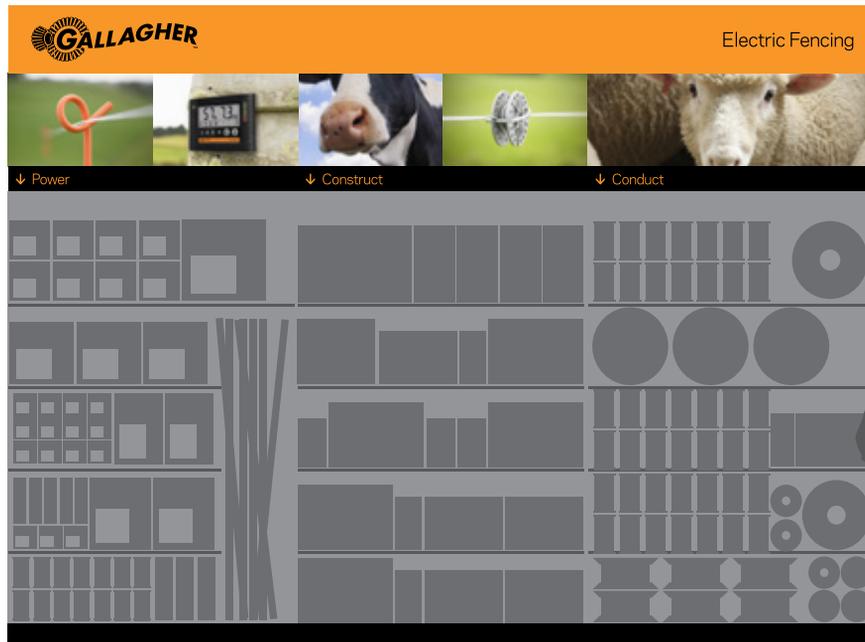
B11
G353414
Ideal for protecting smaller areas like gardens or temporary cross-fences, powered by 6 x D cell batteries or external 12v battery (not included).

GROUND ROD
A351
Galvanised for long life



Step 3 - Locate your product on the GALLAGHER SHELF

Products are divided into three sections, **Power, Construct and Conduct** to help you find your system quickly and easily.



Power

Products that supply power to your electric fence.

Construct

Various parts required to build your fence.

Conduct

Fence wire and connecting cable products to carry the power.

Step 4 - Find your FENCE SYSTEM brochure



Importance of Grounding

Eight out of ten problems are due to improper grounding.

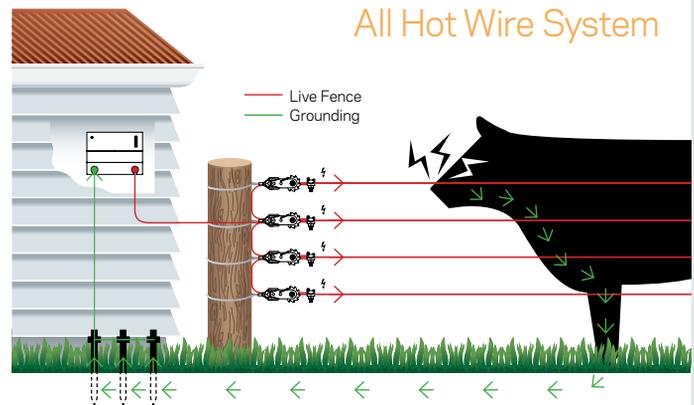
It's how the power flows from the energizer, to the fence, through the animal and back through the ground to the energizer.

Good clean earth rods of the right size and number means the shock reaches the animal.

Handy Hint

The 10-3-6-1 rule for ground rods for permanent fencing

- 10 feet between ground rods
- 3 ground rods minimum*
- 6 feet minimum length of rods
- 1 wire connecting all ground rods to energizer ground terminal

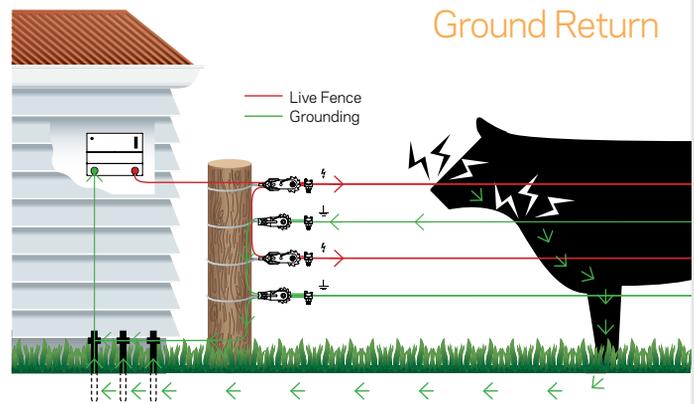


Grounding in Dry, Frozen or Snow Conditions

If you live in areas with 2-3 month dry spells, snow or frozen ground, a standard grounding setup struggles to conduct enough power.

We recommend a Ground Wire Return System where instead of all the fence wires being live, some are live and some are grounded.

The ground wire is created by connecting every other fence wire back to the ground terminal on the energizer using additional wire and cable - see setup below.



Hot tips to make your fence safe and reliable.

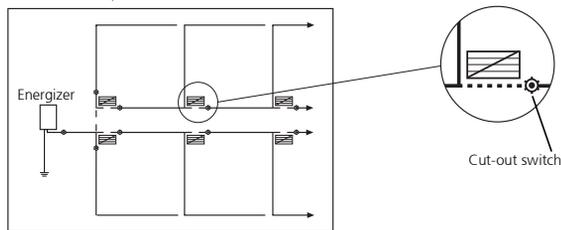
Planning

Electric fence systems tend to grow so choose an Energizer with future expansion in mind.

Plan the number of pastures to allow for controlled, rotational grazing.

Create a center aisle to enable easy access for livestock checking.

Try to make pastures as square as possible for even grazing and to prevent trampling of the grass into well worn paths.



Quick and Easy Fault Finding / Fixing

A **Fence Fault Finder** is an invaluable tool for locating shorts on the electric fence.



Use a **Cut Out Switch** to turn off power to sections of fence for isolating faults and making repairs.



Protect your Energizer

Attaching a **Lightning Diverter** to your system helps prevent Energizer damage during lightning strikes.



Safety

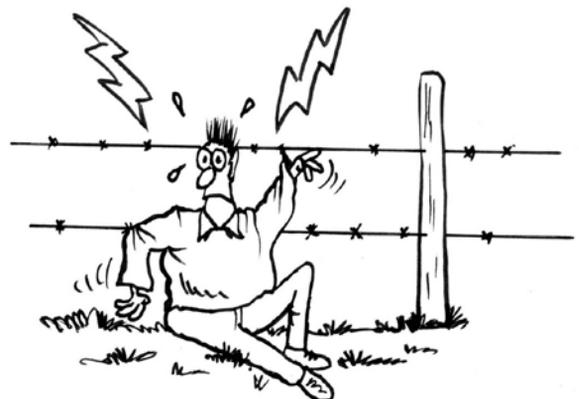
On fences next to public access ways, **Warning Signs** must be fitted to the fence.



In areas where there is likelihood of small children unaware of the dangers of electric fencing, Gallagher recommends use of a small energizer (less than 0.5 Stored Joules) or connecting that section of fence through an **Flood Gate Controller** Energy Limiter.



Do not electrify barbed wire fences



Measure and track your animal's performance.

Product Highlight



Weighing and Electronic Identification

Electric fencing is key to optimising the use of pasture on your property and keeping your animals safely contained, from there it's about growing your stock most efficiently.

Our range of Animal Handling, Weighing and Electronic Identification equipment has redefined this field, focusing on making it easy to collect animal and herd data and efficiently translate it into usable information to make feed, health, genetics and buying/selling decisions.

Visit www.gallagherna.com today for more information.



Smart Fence G70000

A four wire, all in one, 328' long portable fencing system the Smart Fence can be put up in about five minutes.

It's compact nature makes it easy to both carry and store giving you an extremely flexible temporary fencing solution.



GALLAGHER

5005 NW 41st Street,
Riverside, MO 64116, United States of America.

TEL (816) 421 2005
(800) 531 5908

www.gallagherna.com

FAX (800) 444 5422

SKETCH YOUR SETUP HERE