

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 speak to one of the friendly store staff or call one of the Gallagher team direct. We love to hear from our customers and will be only too happy to find a system that meets your needs.

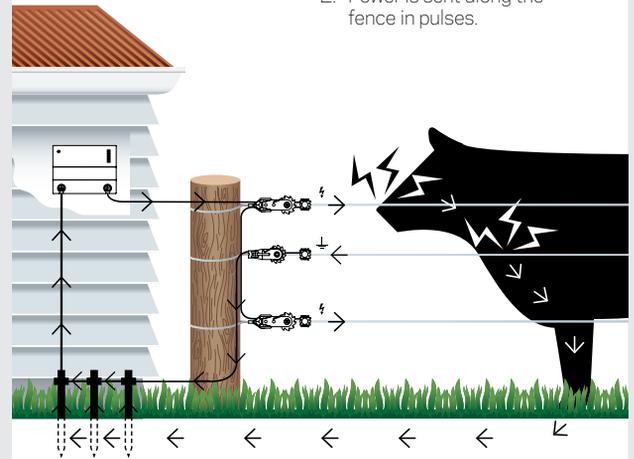
Best regards,

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: In some parts of Australia where there is reliable rainfall, an all live wire fence construction can be used. See page 20.

SAFE

Animals remember the shock 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. 6-17

Select the Energizer SIZE and power system PARTS

Step 3

pg. 18

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

Mains Energizer Systems

Best choice if you have reliable mains power.

pg.6



Battery Energizer Systems

For remote areas with no mains power or unreliable mains power.

pg.10



YES

Solar Energizer Systems

Integrated solar powered units.

pg.14



Portable Battery Energizer Systems

Integrated battery powered units.

pg.16



Step 2 - Mains Energizer Systems

Best choice if you have reliable mains power.

POWER

FOR FULL RANGE PLEASE SEE NEXT PAGE.

300 HA / 750 ACRES



10,000i
G37910
Largest mains energizer, with remote monitoring for complete peace of mind.

120 HA / 300 ACRES



M5800i
G30810
Remote monitoring for complete peace of mind.

48 HA / 120 ACRES

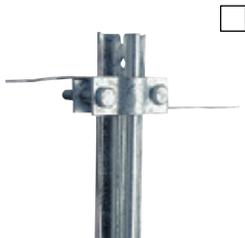


M1200i
G30310
Separate display unit to easily monitor and control fence performance.

12 HA / 30 ACRES



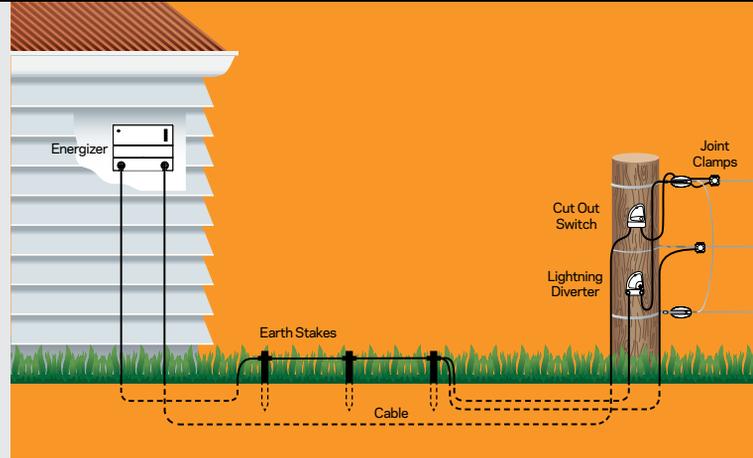
M300
G38011
Perfect for small blocks, voltage lights show performance at a glance.



EARTH STAKES AND CLAMPS
G87602
Corrosion resistant for longer life.



LIGHTNING DIVERTER
G64800
Protect your Energizer



CONSTRUCT



CLAW JOINT CLAMP
G60315
Securely connects cable to fence x 2 per strain*



CUT OUT SWITCH
G60733
Turn power on/off to fence sections

CONDUCT



DOUBLE INSULATED SOFT CABLE
G6271
Cable with robust outer insulation layer for connecting energizer to fence and earthing.

Step 2 - Mains Energizers Selection Chart

Mains energizers can also be battery and solar powered - talk to your local Gallagher Territory Manager for advice.

Model	Stored Joules *	Hectares / Acres	Kms / Miles	Extra Smarts +	Animals Controlled	
M10,000	100	400/1000	200/125	  	     	
M5800i	58	240/600	140/87	  	     	
M2800i	28	120/300	80/50	  	     	
M1800i	18	75/190	65/40	  	     	
M1200i	11	48/120	48/30		     	
M600	6	24/60	35/22	 	     	
M300	3	12/30	25/16		     	
M150	1.5	18/7	14/9		     	
M120	1.2	4/10	12/8		     	
M50	0.5	2/5	6/4		    	
M20	0.2	0.5/1.3	2/1.3		    	

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

+ Please refer to page 22 for icon explanation

Step 2 - Battery Energizer Systems

For remote areas with no mains power or unreliable mains power.

POWER

60 HA / 150 ACRES



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

35 HA / 90 ACRES



B700
G39500
For medium sized pastures. Includes battery life save modes.

10-15 HA / 25-40 ACRES

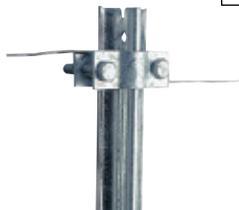


B280 / B180
G36601/G36401
Includes battery life save modes, battery check function and optional mains power supply.

4 HA / 10 ACRES



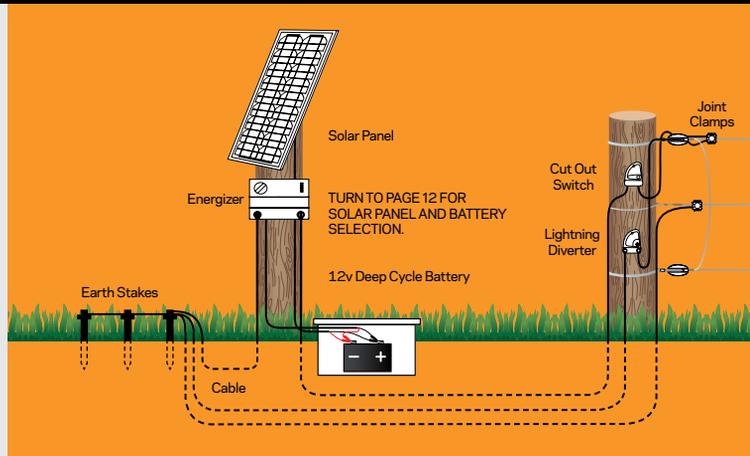
B80
G36201
Battery check function and optional mains power supply



EARTH STAKES AND CLAMPS
G87602
Corrosion resistant for longer life.



LIGHTNING DIVERTER
G64800
Protect your Energizer from lightning damage



CONSTRUCT



CLAW JOINT CLAMP
G60315
Securely connects cable to fence x 2 per strain*



CUT OUT SWITCH
G60760
Turn power on/off to fence sections

CONDUCT



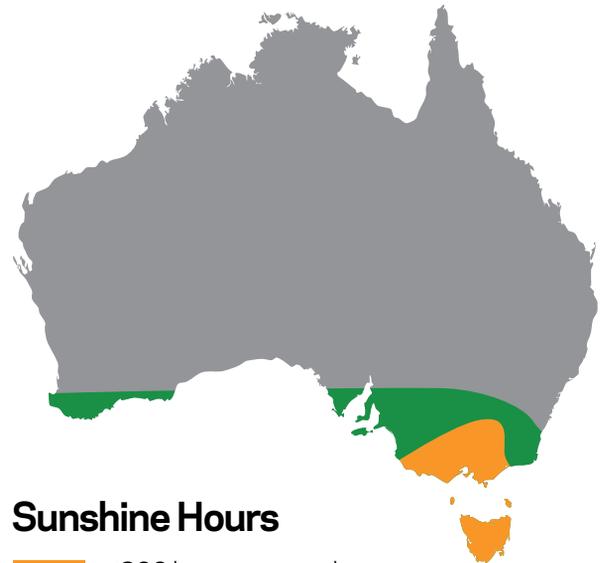
DOUBLE INSULATED SOFT CABLE
G6271
Cable with robust outer insulation layer for connecting energizer to fence and earthing.

Step 2 - Solar Panels Selection Chart

1. Find the sunshine hours for your location
2. Use table to select panel and battery

Solar kits are also available that include Energizer, solar panel, inverter (for mains to battery conversions), mounts and leads.

For more information phone.
1800 425 524



Sunshine Hours

■ <200 hours per month

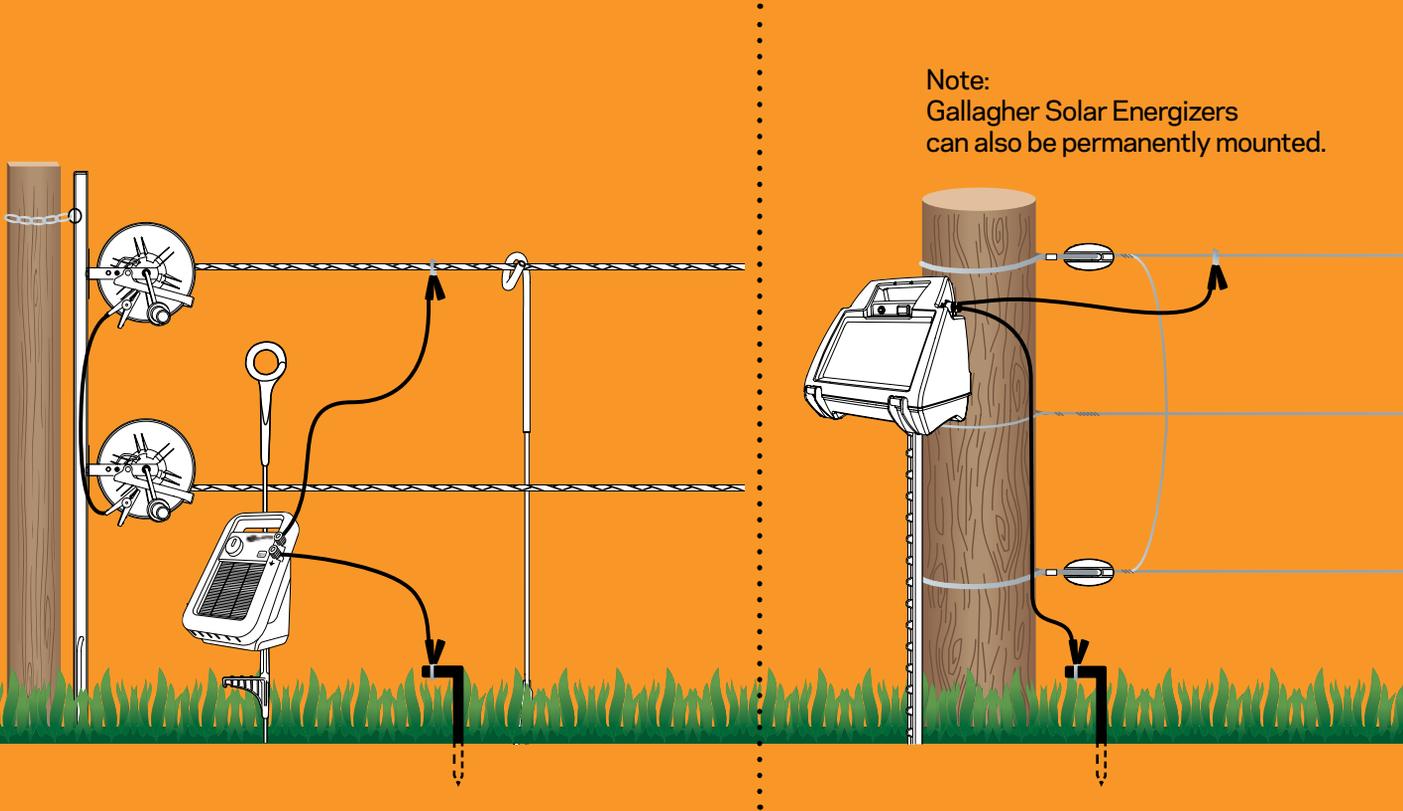
■ 200 < 250 hours per month

■ 250 + hours per month

	<200		200 < 250		250 +	
Energizer	Panel (Watts)	Battery (Ah)	Panel (Watts)	Battery (Ah)	Panel (Watts)	Battery (Ah)
B1600	2 x 60	360	80	270	80	180
B700	60	180	30	150	30	90
B280	30	90	30	90	20	60
B180	20	90	20	60	10	60
B80	10	60	10	40	5	40

Step 2 - Solar Energizer Systems

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



POWER

3 HA / 7.5 ACRES



S50
G35930

1.2 HA / 3 ACRES



S22
G34434

0.8 HA / 2 ACRES



S16
G34111

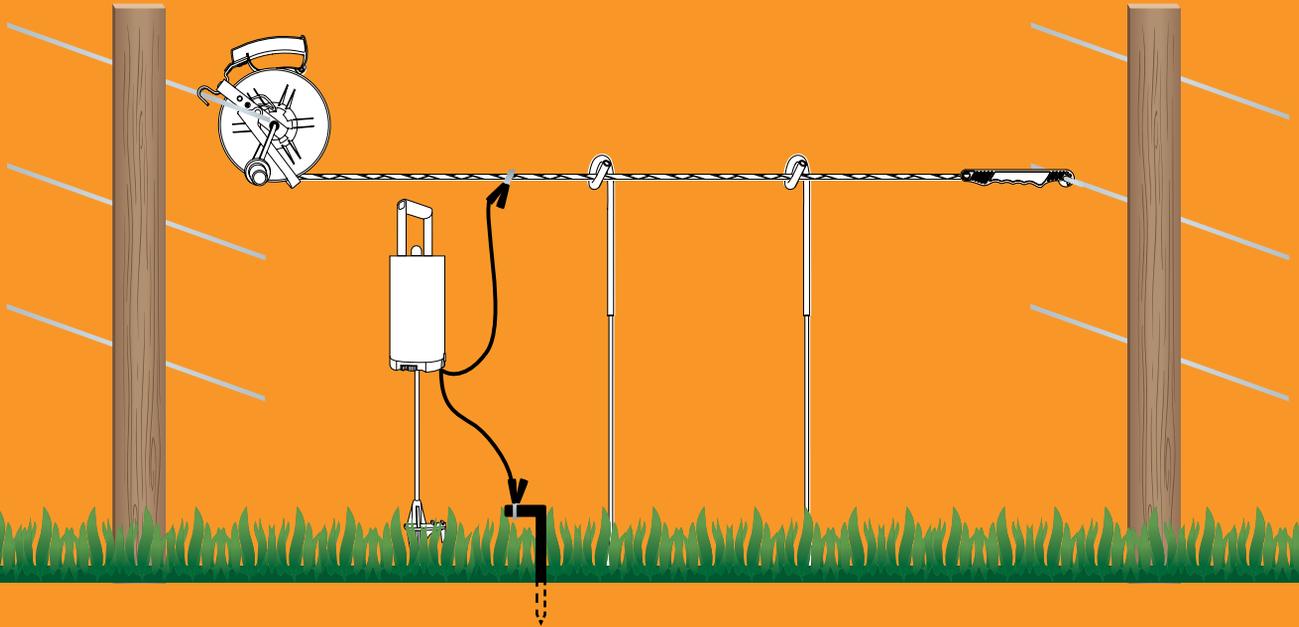


EARTH STAKE
G88061

Step 3 Go to page 18

Step 2 - Portable Battery Energizer Systems

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



* Charge battery via separate Solar Panel (see page 12) or 12v battery charger

POWER

0.5 HA / 1.3 ACRES



B11
G35310/G35311
Runs on 6x D size batteries or 12v rechargeable.

0.5 HA / 1.3 ACRES



B10
G36311

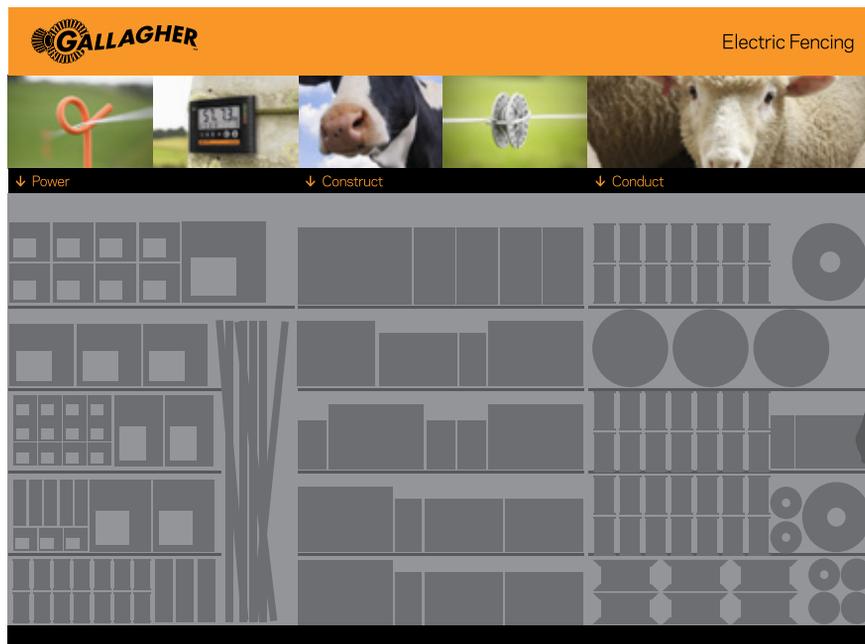


EARTH STAKE
G88061

Step 3 Go to page 18

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 products 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 Earthing

Eight out of ten problems are due to improper earthing.

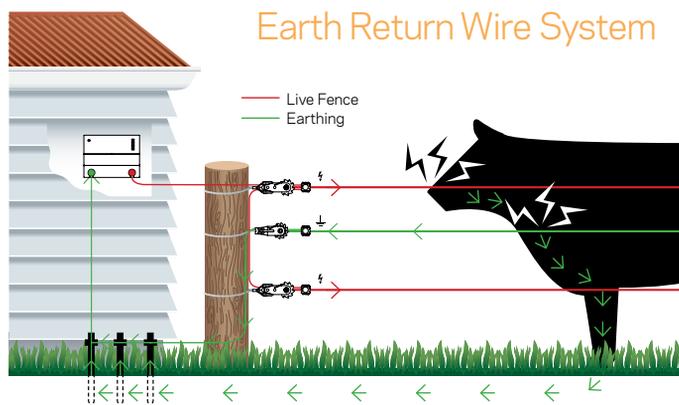
Setting up a good earthing system is often overlooked but it's a critical part of your electric fence system, as important as the wires and even the Energizer.

It's how the power flows from the energizer, to the fence, through the animal and back through the ground to the energizer. Without good clean earth rods in sufficient size and number the earth connection doesn't work and the shock will not reach the animal.

Handy Hint

The 4-3-2-1 rule for earth stakes for permanent fencing

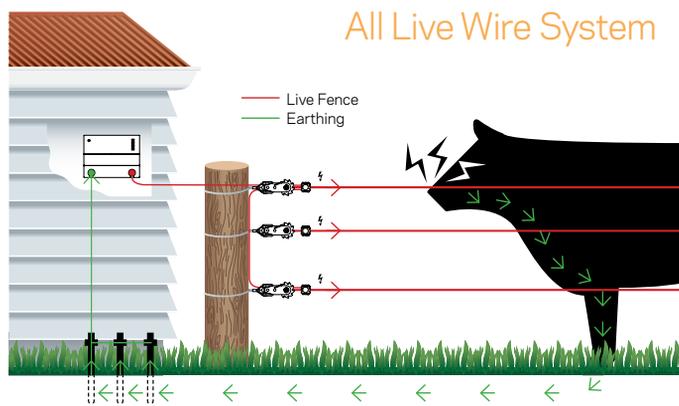
- 4 metres between earth stakes/rods
- 3 earth stakes/rods minimum*
- 2 metres minimum length of stakes/rods
- 1 wire connecting all earth stakes to energizer earth terminal



Earthing for wetter regions

The fence configurations shown in this brochure all use an Earth Return Wire System. This is recommended for drier conditions where the earth struggles to conduct enough power to create an effective shock so instead we use both live and earth wires on the fence itself to create the shock when the animal touches them at the same time.

If you live in wetter regions that are green all year around, the fence can be simplified to an all live wire system. Below is an example of an all live wire permanent fence system for cattle.





Adjustable Voltage



LCD Display



SmartPac Remote and Tester Included



XR1 Remote and Tester Included



Low Power option



Energizer Controller included



Fence Monitor Capable - M1200i sold separately, M2800i included



Remote - M1200i sold separately, M2800i included



Output Voltage Bar Graph



INCLUDED



SOLD SEPARATELY

Quick and Easy Fault Finding / Fixing

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



G650900

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



G60733

Protect your Energizer

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



G64800

Fence Performance in a Flash

For instant reassurance your fence is working, place the **Live Fence Indicator** permanently on your fence in strategic locations and simply look for the flash.



G51100

Safety

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



G602000



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SKETCH YOUR SETUP HERE