

# SOLAR

## Fence Energizers

NEW S200  
ENERGIZER  
NOW  
AVAILABLE





Lightweight  
portability.  
Heavyweight  
performance.

## S200 Portable Solar Fence Energizer

**Convenient, fully integrated portable power.**

Animal control on your block of land is straight forward with Gallagher's new simple and convenient solution - the S200 Portable Solar Fence Energizer. With no mains power required, these all-in-one, plug and play, portable Energizers give reliable stock control for up to 8ha or 20km of fence line.



0800 731 500  
[www.gallagher.com](http://www.gallagher.com)



# Your step by step guide to selecting the right Solar set up.

Gallagher Solar Energizer Systems are the ideal choice for remote areas that have unreliable or no access to mains power

- Reliable
- Easy to install
- Will last for years



## CONTENTS

### CHOOSING YOUR SOLAR SET UP:

#### Step 1

#### Energizer Selection

##### Do I need to move the Energizer?

**No** - Permanent

pg. 6-7

**Yes** - Portable

pg. 6-7

##### What is the area I need to power?

See the comparison table

pg. 8-9



#### Step 2

#### Solar Panel/Battery selection

pg. 10-11

##### Battery

Larger Energizers draw more current and therefore require larger batteries

##### Solar Panel

Size and number are determined by sunshine hours in your region and energizer size.



## Integrated Solar Energizer Installation

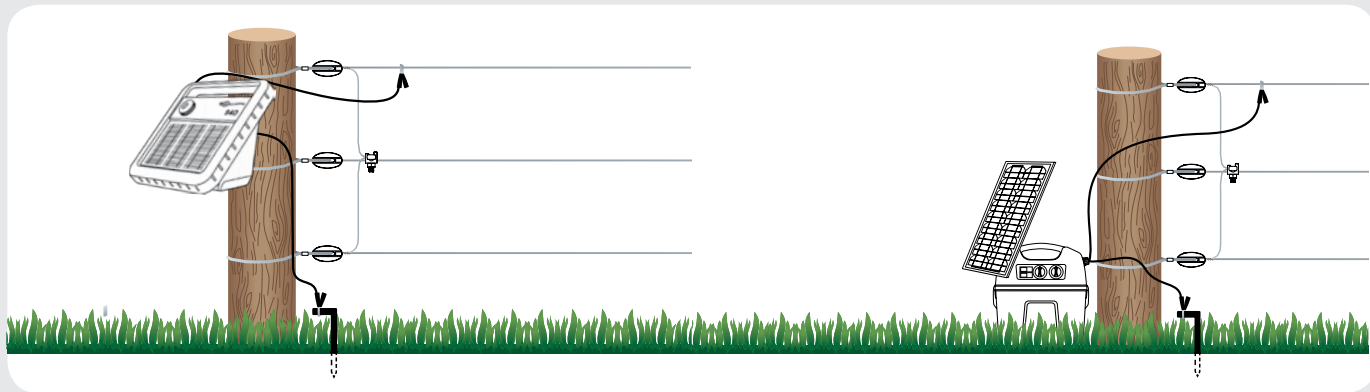
Fully integrated self-charging Energizer

## Battery/Solar Energizer Installation

Battery Energizer with Solar Panel added

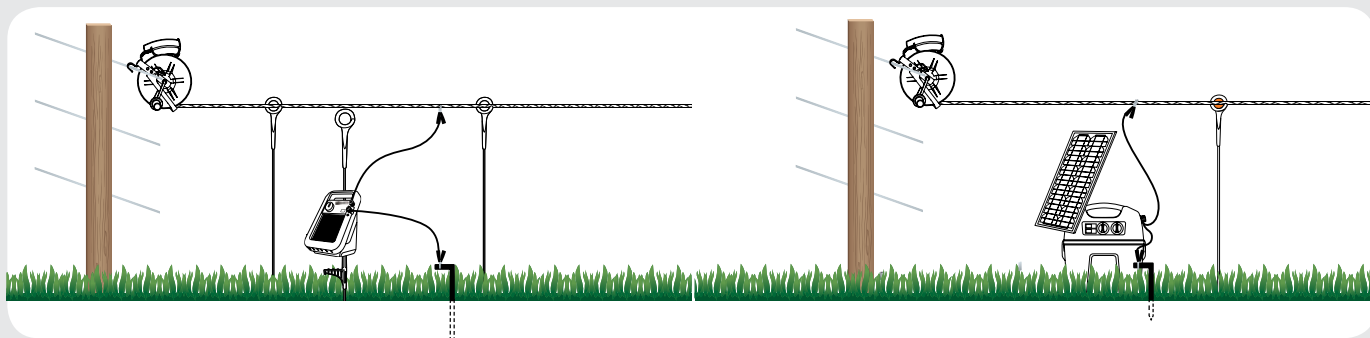
### Permanent

Perfect for remote areas that have unreliable or no access to mains power



### Portable

Flexibility when seasonal or temporary electric fencing is required



#### Battery/Solar system requires Energizer plus:

##### Solar panels

- High quality fully tested **solar panels**
- Stainless steel **mounting brackets, bolts & clamps** for longer life with multiple tilt positions for maximum sunlight exposure
- A **regulator** to protect the battery by controlling the power flow (included with all Gallagher Solar Panels)



##### 12v deep cycle battery



- Purpose selected **deep cycle battery** and **battery box**

# Comparison Table

## Integrated Solar Fence Energizer range:

MODEL		STORED JOULES	PROPERTY SIZE (HECTARES/ ACRES)	MULTIWIRE DISTANCE LIGHT CONDITIONS (KM)	MULTIWIRE DISTANCE TYPICAL CONDITIONS (KM)
S200		2.0	8/20	20	5
S100		1.0	4/10	10	3
S40		0.4	2/5	5	1.5
S20		0.2	1.2/3	2	1
S10		0.1	0.5/1.3	1	0.3

## Battery/Solar Fence Energizer range:

MODEL		STORED JOULES	PROPERTY SIZE (HECTARES/ ACRES)	MULTIWIRE DISTANCE LIGHT CONDITIONS (KM)	MULTIWIRE DISTANCE TYPICAL CONDITIONS (KM)
B300		2.6	15/40	30	6
B200		1.45	10/25	20	5

See next page for Solar Panel and Battery Selection.

# Solar Panel & Battery Selection

## Battery recharge option

All Gallagher Battery Energizers may be used with rechargeable or reusable batteries. Maintaining the charge in the battery is achieved via a solar panel or by periodically disconnecting and recharging it via mains.

## Battery size 70Ah to 300Ah

- depends on Energizer size (see chart)

## Solar Panel 10W to 260W

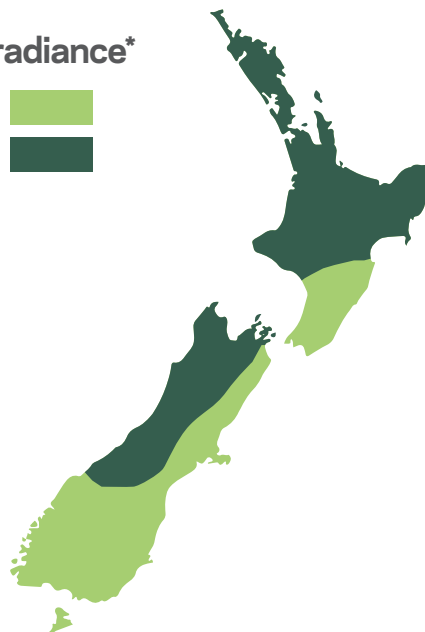
- depends on sunshine hours (see map and chart)

## Solar Irradiance\*

Region 1






Region 2



See over page for product package combinations.

Model	Region 1		Region 2	
	Solar Panel	Battery	Solar Panel	Battery
<b>B300</b>	40W	70Ah	20W	70Ah
<b>B200</b>	20W	70Ah	10W	70Ah

Energizer	Low Loss Battery 2M1824	Solar Panels 40w G49540 20w G48501
		
B300	1 x 70 AH	1 x 40W
B200	1 x 70 AH	1 x 20W

\*Source: Meteornorm

- Multiwire distance ideal conditions: 20km
- Multiwire distance typical NZ conditions: 5km
- Output energy: 1.6 Joules



**Multiple power options** - the customer has full control, with multiple operation modes to suit wildlife animal exclusion and livestock animal inclusion.

**Battery Status Indicator** - LED light shows battery health in an instant.

**NEW  
FEATURE**

**Dual solar panel design**  
- improved solar reliability with split solar panel design. Separating the solar panel in two, means that if one is covered by vegetation, the second panel will continue to charge battery.



**Water resistant case, with built in lightning protection** - designed to be left outside, rain, hail or shine. Keeps stock contained in all weather conditions.

**Portable and quick to install**  
- easily set up in any location and moved about as required allowing it to be used for strip grazing and better pasture management.

**Fully integrated, ready to use** - includes fence/earth leadset, rechargeable 12v battery and solar panel.

**Mains recharge capability**  
- Allows battery to be charged by mains power if insufficient sunshine hours are available or for periodic recharge during storage.

**360° mounting on steel posts** for correct orientation toward the sun - allows the Energizer to be mounted on a steel post that is already part of the fence line, regardless of which way the post is facing.



S100

**1**  
JOULE  
(STORED ENERGY)

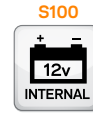
**4**  
HECTARES  
**10**  
ACRES

S40

**0.4**  
JOULES  
(STORED ENERGY)

**2**  
HECTARES  
**5**  
ACRES

- |   | S100        | S40         |
|---|-------------|-------------|
| ▪ Multiwire distance ideal conditions:      | 10km        | 5km         |
| ▪ Multiwire distance typical NZ conditions: | 3km         | 1.5km       |
| ▪ Output energy:                            | 0.74 Joules | 0.29 Joules |



**Multiple power options** - two operating modes ensure optimum battery usage, even in periods of low sunlight:  
 ½ - Runs at half power with a constant pulse rate day and night  
 1 - Runs at full power, but pulses slower at night when animals are less active.

**Turn on and forget** - with automated battery management, the Energizer will continue to work for up to 3 weeks without sun.

**Battery status indicator** - shows battery health in an instant.

**Quick to install** - can be set up easily in any location and moved about as required, allowing it to be used for strip grazing and better pasture management.

**Water resistant case, with built-in lightning protection** - designed to be left outside, rain, hail or shine. Keeps stock contained in all weather conditions.



**Fully integrated, ready to use** - includes fence/earth leadset, rechargeable 12v battery, solar panel and mains recharge power kit.

**Mains recharge capability** - Allows battery to be charged by mains power if insufficient sunshine hours are available or for periodic recharge during storage.





S20

0.2  
Joules  
(STORED ENERGY)1.2  
HECTARES  
3  
ACRES

S10

0.10  
Joules  
(STORED ENERGY)0.5  
HECTARES  
1.3  
ACRES

- Multiwire distance ideal conditions: 2km 1km
- Multiwire distance typical NZ conditions: 1km 0.3km
- Output energy: 0.14 Joules 0.08 Joules



**LED Pulse indicator**  
- green/red flash for  
battery life remaining.

**Turn on and forget -**  
Energizer will continue  
to work for up to 3  
weeks without sun.

**High visibility switch**  
- shows on/off from a  
distance.

**Quick to install**  
- easy setup and  
extremely portable.

**Tough casing** - water &  
drop resistant, with in-built  
lightening protection for all  
weather & farm conditions.

**360° Orientation to face  
the sun** - multiple slots  
for mounting to existing  
steel/vertical wood posts.

**Mounting Bracket** -  
for Ring Top Posts &  
Pigtails.



B300

2.6  
JOULES  
(STORED ENERGY)

15  
HECTARES  
40  
ACRES

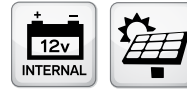
B200

1.45  
JOULES  
(STORED ENERGY)

10  
HECTARES  
25  
ACRES

Multiwire distance ideal conditions:  
Multiwire distance typical NZ conditions:  
Output energy:

	B200	B300
Multiwire distance ideal conditions:	20km	30km
Multiwire distance typical NZ conditions:	5km	8km
Output energy:	1.1 Joules	2 Joules



Requires 12V external battery. Battery not included.



Quick glance indicator lights show battery and fence performance.

Carry handle for easy transportation.

Versatile animal control - vary Energizer pulse modes to suit different animals.

Flexible fence management - choose from full or half power mode to extend battery life.

Easy battery installation, with simple clip lock case.

Shown here with solar panel. Solar Panel not included.



## GALLAGHER

181 Kahikatea Drive, Hamilton 3206, New Zealand.  
Private Bag 3026, Hamilton 3240, New Zealand.

FREE PHONE 0800 731 500

TEL +64 7 838 9800

FAX +64 7 838 9801

[www.gallagher.com](http://www.gallagher.com)

[cs@am.gallagher.com](mailto:cs@am.gallagher.com)



3E2704 - 05/19