

DATAMARS  
**Livestock™**

**Speedrite.**  
DATAMARS

**POWERING  
ADVANTAGE**

**ELECTRIC FENCE PRODUCT  
AND RESOURCE GUIDE**

**INCLUDES HAYES FENCE TOOLS**

**[speedrite.com](http://speedrite.com)**

# DATAMARS *Livestock*<sup>TM</sup>

**We are a division of Datamars, a global company. Datamars Livestock provides the platform and tools for today's farmers to better manage their livestock.**

We know that when our customers are able to collect and use data to make informed on-farm decisions, they achieve better and more consistent results. Simply, accurate livestock management translates to profitable farming.

Datamars Livestock is here for farmers just like you. We are here to support you through the everyday requirements of livestock farming. Our innovative and well-developed technology works alongside you, in the real nitty-gritty, day to day tasks.

Datamars Livestock links tools that promote animal health, enable precision animal management and improve protein production.

These tools work together, communicating with each other and communicating with you.

When you're working the land, we're there with you. On farm and online, our digital platform connects you with information about your livestock, bolstering your intuition and enabling you to make precise, informed decisions.

Datamars Livestock. Our products work with each other, but most importantly – they work with you.



**Tru-Test.**  
DATAMARS

**Z**  
**TAGS.**  
DATAMARS

**Speedrite.**  
DATAMARS

**STAFIX**  
by Datamars

**njphillips.**  
DATAMARS

**Prattley**  
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**HAYES**



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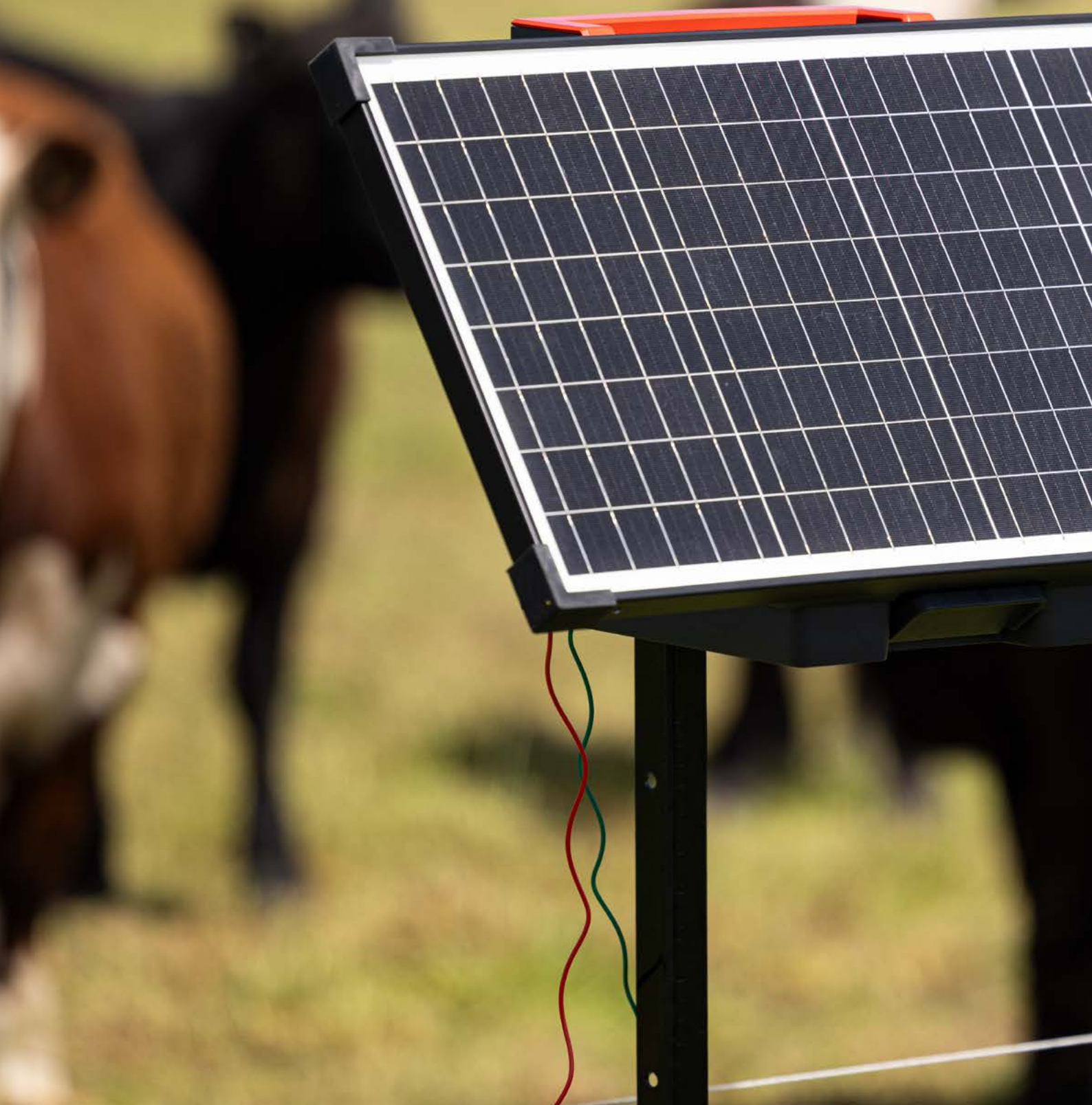
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*For more information about any of our products, visit [speedrite.com](http://speedrite.com) or [hayesfencing.com](http://hayesfencing.com)*

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# ***ENERGIZERS***



## ***ABOUT SPEEDRITE***

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The result of decades of intense research and development, you can rely on the Speedrite range of energizers and electric fencing accessories to deliver maximum power. Their unique technologies gives them a market edge, with options to suit the way you manage your farm.

# CHOOSING YOUR ENERGIZER

**Speedrite offers a range of energizers to suit the way you manage your farm.**

From cost effective and reliable mains energizers, to all in one Unigizers™, the Speedrite range of energizers also includes portable options and a solar range, ideal for isolated areas where no mains power is available.

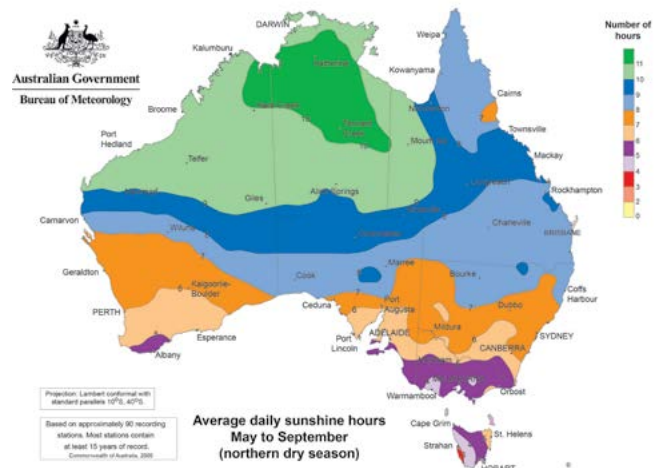
## How much sunshine will your solar panels receive?

This map has been sourced from the Australian Bureau of Meteorology and represents average daily winter sunlight hours.

When sizing a Solar Energizer please contact your Datamars Territory Manager for assistance, refer to page 98.

All Solar Panels include regulator and mount. Batteries are recommended to be Deep Cycle, Marine Grade and housed in a Battery Box, these are to be purchased separately.

\*W/S pricing is when both Energiser and Solar Panel are ordered on the same invoice. When ordering Solar Panel/s and Energizer, both part numbers will need to be ordered. Energizer and Solar Panel/s will be shipped as individual parts and may require some assembly.





## Mains Range



A mains powered energizer is the most cost-effective, reliable way to power a permanent electric fence. Unigizers™ are also compatible with mains power.

## Unigizer™ Range



A Unigizer™ is a flexible, all-in-one mains and battery energizer with solar compatibility. It is a versatile solution that works across permanent, semi-permanent and temporary fencing.

## Solar Range



Suitable for strip grazing, permanent, semi-permanent and temporary fencing, and the ideal solution for isolated areas where no mains power is available. Our Solar Systems and Kits provide remote power for permanent installations. Permanent installations are an all-in-one solution with built-in solar panel and battery. The Unigizer™ range is also solar compatible.

## Battery Range



Convenient, portable and quick to set up, battery units are suitable for temporary, strip grazing and semi-permanent fencing. Unigizers™ are also compatible with battery power.

# MAINS ENERGIZERS

**Speedrite mains powered energizers are high performing, powerful units designed for extensive electric fence systems.**

From hi-tech components and a compact, rugged design, to advanced Cyclic Wave™ and Bipolar technologies, our energizers are rugged, made for all Australian conditions and have a 3 year warranty.



# MAINS ENERGIZER FEATURES EXPLAINED



## 3 Year Warranty

We stand behind the reliability of our products. Visit [speedrite.com](https://www.speedrite.com) for full warranty details.



## Load response feature

Controls energizer output to match conditions, providing maximum fence voltage for effective stock control.



## Low interference

Cyclic Wave™ technology delivers outstanding fence performance and helps to minimise electromagnetic interference in line with international standards.



## Large terminals

Mounted on the front of the energizer casing for convenience, these large terminals are easily adjusted and accept up to two fence wires. The slotted terminals make inserting wires and getting a good connection easy.



## Compact, rugged design

Hi-tech components and advanced research and development have enabled us to make powerful energizers in a compact, rugged polymer case.



## Cyclic Wave™ technology

Provides a cleaner, more powerful pulse, maximising the energy that travels down the fence for optimal stock control.



## Bipolar technology

Enables the user to power a fence system to perform exceptionally well in dry, low conductive soil.



## Remote capable

Using a Speedrite fence remote (with remote capable Speedrite energizers) enables you to switch the energizer on or off from anywhere along the fence line. This makes it easy to manage repairs and maintenance.



## Indicator lights (voltage)

Easy to read light bar display provides an instant measure of the energizer output voltage for quick fence diagnostics. The LED display shows red when heavily loaded.



## Split bolt terminal design

Allows multiple fence wires to be connected easily, with a robust connection without needing to bend the fence wire or over-tighten. (46000W only)



## Datamars Livestock: Farm app

Connect to your energizer and see the fence voltage in real-time, configure your energizer settings, and connect the energizer to your Wi-Fi network. (46000W only)

# MAINS ENERGIZERS

**Speedrite mains powered energizers are high performing, powerful units designed for extensive electric fence systems.**

From hi-tech components and a compact, rugged design, to advanced Cyclic Wave™ and Bipolar technologies, our energizers are rugged, made for all New Zealand conditions and have a 3 year warranty.

|  | <b>86000W</b>        | <b>46000W</b>       | <b>31000W</b>       |
|--|----------------------|---------------------|---------------------|
| <b>AREA/DISTANCE YOU WANT THE ENERGIZER TO POWER</b> | 1300 acres<br>500 ha | 640 acres<br>260 ha | 420 acres<br>170 ha |
| <b>MAXIMUM OUTPUT ENERGY</b>                         | 86 J                 | 46 J                | 31 J                |
| <b>MAXIMUM STORED ENERGY</b>                         | 128 J                | 68 J                | 45 J                |
| <b>NO LOAD VOLTAGE</b>                               | 10,000 V             | 9,500 V             | 9,500 V             |
| <b>MEDIUM LOAD VOLTAGE AT 500 Ω</b>                  | 10,000 V             | 9,300 V             | 9,500 V             |
| <b>HEAVY LOAD VOLTAGE AT 100 Ω</b>                   | 10,000 V             | 8,900 V             | 7,300 V             |
| <b>MINIMUM NUMBER OF EARTH RODS</b>                  | 12                   | 9                   | 8                   |
| <b>INPUT VOLTAGE</b>                                 | 120 - 240 V          | 100 - 240 V         | 100 - 240 V         |

## MAINS ENERGIZERS

### 86000W

Powers up to 1300 acres / 500 ha of fence  
86 J maximum output energy (128 J stored energy)

- Cyclic Wave™ technology
- Low interference
- Wi-Fi and Bluetooth capable
- Load Response Feature
- Bi-polar technology
- Voltage display
- Remote capable (Remote included)
- Best in class terminal design
- Datamars Livestock: Farm App
- Compact, rugged design
- 3 year warranty



Product code: 880 0010-966

### 46000W

Powers up to 640 acres / 260 ha (460 km) of fence  
46 J maximum output energy (68 J stored energy)

- Cyclic Wave™ technology
- Low interference
- Wi-Fi and Bluetooth capable
- Load Response Feature
- Bi-polar technology
- Voltage display
- Remote capable (Remote included)
- Best in class terminal design
- Datamars Livestock: Farm App
- Compact, rugged design
- 3 year warranty



Product code: 480 0001-928

\*Base plan included free with purchase

## 31000W

Powers up to 420 acres / 170 ha of fence.  
30J maximum output energy (45J stored energy)

- Cyclic Wave technology
- Wi-Fi and Bluetooth capable
- Remote capable (Remote included)
- Indicator lights (voltage)
- Compact, rugged design
- Low interference
- Load Response Feature
- Voltage display
- Best in class terminal design
- Datamars Livestock: Farm App
- 3 year warranty



Product code: 880 0011-023

\*Starter plan included free with purchase

DATAMARS  
**Livestock™**



**Keep your fence  
performance close at hand**

Monitor and control the 46000W mains energizer from your smartphone, with the Datamars Livestock: Farm App.



# SMART ENERGIZER HAS A LOT OF GRUNT



**Kerry and Tracy Tristram have been farming for 17 years, on a 250-hectare dairy farm that has been in Kerry's family for three generations.**

Kerry and Tracey milk a herd of 220 dairy cows across a milking platform of 120 hectares. The farm had a lot of old fencing, so Kerry simplified and moved to two-wire electric. He says installing the 46 Joule Energizer was a no brainer. It charges fencing across the majority of the milking platform, but Kerry says it could go even further.

"There's ample voltage, it has a lot of grunt."

Kerry says the 46J Energizer and Datamars Livestock Farm App have given him the "luxury" to control voltage from anywhere on the farm.

"You can be on the tractor with your phone and you just hit the app to turn the fence off."

He says this instant ability is especially handy for doing quick little jobs and frees up time.

Datamars Livestock Product Manager, Fadi Allos, says that Kerry's experience with the energizer highlights how handy it is to be able to control the energizer from your phone.

"Our energizers have been a hallmark of the farming community for decades, with the 36 Joule Energizer an iconic favourite across the country. We are delighted that our smarter, more powerful 46 Joule Energizer is living up to its predecessor and doing the hard yards when needed."

Kerry says that the app gets put to good use a couple of times a week and it's been easy to operate. He says the Datamars Livestock team has been on hand for support and to answer any burning technical questions.

The 46J Energizer gets the tick of approval from Kerry and Tracy. A more connected farm has given them the freedom to get on with more important jobs and manage their dairy herd.

Kerry says, "It's the way of the future."

"Our first 'smart' energizer is designed to provide peace of mind and save time for farmers, while powering 460 kilometres of fence. This is the first cab off the rank in our plans to provide a connected farm to our customers and it's great to see farmers like Kerry embracing the technology," adds Fadi.

## M2000



Powers up to 20 km of fence.  
2.0 J maximum output energy  
(3.0 J maximum stored energy)

- Rugged design
- LED indicator
- 'Plug and play' operation
- Multiple mounting options
- 3 year warranty

Product code: 880 0002-739

## M1200



Powers up to 12 km of fence.  
1.2 J maximum output energy  
(1.7 J maximum stored energy)

- Rugged design
- LED indicator
- 'Plug and play' operation
- Multiple mounting options
- 3 year warranty

Product code: 880 0003-752

## M500



Powers up to 5 km of fence.  
0.5 J maximum output energy  
(0.85 J maximum stored energy)

- Rugged design
- LED indicator
- 'Plug and play' operation
- Multiple mounting options
- 3 year warranty

Product code: 880 0003-751

|  | M2000       | M1200       | M500        |
|--|-------------|-------------|-------------|
| <b>AREA/DISTANCE YOU WANT THE ENERGIZER TO POWER</b> | 20 km       | 12 km       | 5 km        |
| <b>MAXIMUM OUTPUT ENERGY</b>                         | 2.0 J       | 1.2 J       | 0.5 J       |
| <b>MAXIMUM STORED ENERGY</b>                         | 3.0 J       | 1.7 J       | 0.85 J      |
| <b>NO LOAD VOLTAGE</b>                               | 9,500 V     | 10,200 V    | 10,000 V    |
| <b>STANDARD LOAD VOLTAGE AT 500 Ω</b>                | 5,700 V     | 5,500 V     | 4,800 V     |
| <b>MINIMUM NUMBER OF EARTH RODS</b>                  | 3           | 2           | 1           |
| <b>INPUT VOLTAGE</b>                                 | 220 - 240 V | 220 - 240 V | 220 - 240 V |



# UNIGIZERS™

**Speedrite Unigizers™ give you a versatile 3-in-1 solution to manage your electric fence system.**

You have the flexibility to choose from either mains, battery or solar energy to power your electric fence.

The 3-in-1 capability allows the Unigizer™ to be used for temporary, semi-permanent, permanent and strip grazing fence systems. It's never been easier to create an electric fencing solution.



# UNIGIZER FEATURES



## 3 Year Warranty

We stand behind the reliability of our products. Visit [speedrite.com](http://speedrite.com) for full warranty details.



## Versatile power options

Can be used in mains, battery or solar power applications, providing convenient, versatile livestock control.



## Versatile mounting options

Can be mounted on a wall, post or fence wire. Choose indoor or outdoor installation, depending on your fence location and power supply.



## Earth monitoring

Indicates earth system problems by monitoring the level of voltage around the earth system.



## Low interference

Cyclic Wave™ technology delivers outstanding fence performance and helps to minimise electromagnetic interference in line with international EMC standards.



## Large terminals

Mounted on the front of the energizer casing for convenience, these large terminals are easily adjusted and accept up to two fence wires. The slotted terminals make inserting wires and getting a good connection easy.



## Day/night sensor

Automatically adjusts to contain or exclude animals based on day or night conditions.



## Cyclic Wave™ technology

Provides a cleaner, more powerful pulse, maximising the energy that travels down the fence for optimal stock control.



## Bipolar technology

Enables the user to power a fence system to perform exceptionally well in dry, low conductive soil.



## Low energy terminal

Limits energy to below 1.5 J for use around buildings and houses.



## Solar compatible

Electrify your fence with solar power by connecting solar panels to any Speedrite Unigizer™. The solar panels charge the battery connected to the Unigizer, for reliable livestock control.



## Remote capable

A Speedrite fence remote enables you to switch the energizer on or off from anywhere along the fence line. This makes it easy to manage repairs and maintenance.



## LCD voltage display

Displays output voltage, battery voltage and earth voltage. LCD is backlit for viewing in poor light conditions. On selected models only.



## Indicator lights (voltage and battery)

Easy to read light bar display provides an instant measure of the energizer output voltage for quick fence diagnostics. The LED display shows red when heavily loaded.



## Battery saver

Microprocessor technology automatically adjusts the output energy depending on the battery condition. This feature extends battery life and is particularly effective when used in solar installations.

## UNIGIZERS™

### 18000i

Powers up to 270 acres / 110 ha (180 km) of fence  
18 J maximum output energy (24 J stored energy)

- Cyclic Wave™ technology
- Low energy terminal
- Solar compatible
- Remote capable (Remote sold separately)
- LCD voltage display
- Indicator lights (voltage and battery)
- Battery saver
- Day/Night sensor - pulse speed
- Large terminals
- Low interference
- Earth monitoring
- Versatile mounting and power options
- Adjustable output power and pulse speeds
- 3 year warranty
- Includes battery lead and mains power adaptor



Product code: 800 0000-979

### 12000i

Powers up to 180 acres / 70 ha (120 km) of fence  
12 J maximum output energy (16 J stored energy)

- Cyclic Wave technology
- Bi-polar technology
- Solar compatible
- Remote capable (remote sold separately)
- LCD voltage display
- Indicator lights (voltage and battery)
- Battery saver
- Day/Night sensor - pulse speed
- Large terminals
- Low Interference
- Earth monitoring
- Versatile mounting and power options
- Half voltage terminal
- Adjustable output power and pulse speeds
- 3 year warranty
- Includes battery lead and mains power adaptor



Product code: 880 0000-517

## UNIGIZERS™

### 6000i

Powers up to 90 acres / 36 ha (60 km) of fence  
6 J maximum output energy (9 J stored energy)

- Cyclic Wave technology
- Bi-polar technology
- Solar compatible
- Remote capable (Remote sold separately)
- LCD voltage display
- Earth monitoring
- Indicator lights (voltage and battery)
- Battery saver
- Day/Night sensor - pulse speed
- Large terminals
- Low Interference
- Versatile mounting and power options
- Half voltage terminal
- Adjustable output power and pulse speeds
- 3 year warranty
- Includes battery lead and mains power adaptor



Product code: 880 0000-761

### 3000



Powers up to 45 acres / 18 ha (30 km) of fence  
3 J maximum output energy (4.5 J stored energy)

- Solar compatible
- Indicator lights (voltage and battery)
- Day/Night sensor - pulse speed
- Large terminals
- Versatile mounting and power options
- Adjustable output power and pulse speeds
- 3 year warranty
- Includes battery lead, mains power adaptor and fence lead set

Product code: 880 0000-674

### 2000



Powers up to 30 acres / 12 ha (20 km) of fence  
2 J maximum output energy (2.7 J stored energy)

- Solar compatible
- Indicator lights (voltage and battery)
- Day/Night sensor - pulse speed
- Large terminals
- Versatile mounting and power options
- Adjustable output power and pulse speeds
- 3 year warranty
- Includes battery lead, mains power adaptor and fence lead set

Product code: 880 0000-871

## UNIGIZERS™

## 1000



Powers up to 15 acres / 6 ha (10 km) of fence. 1 J maximum output energy (1.5 J stored energy)

- Solar compatible
- Indicator lights (voltage and battery)
- Day/Night sensor-pulse speed
- Large terminals
- Versatile mounting and power options
- Adjustable output power and pulse speeds
- 3 year warranty.
- Includes battery lead, mains power adaptor and fence lead set

Product code: 880 0000-184

## 500



Powers up to 8 acres / 3 ha (5 km) of fence. 0.5 J maximum output energy (0.7 J stored energy)

- Solar compatible
- Indicator light (pulse)
- Large terminals
- Versatile mounting and power options
- 3 year warranty
- Includes battery lead, mains power adaptor and fence lead set

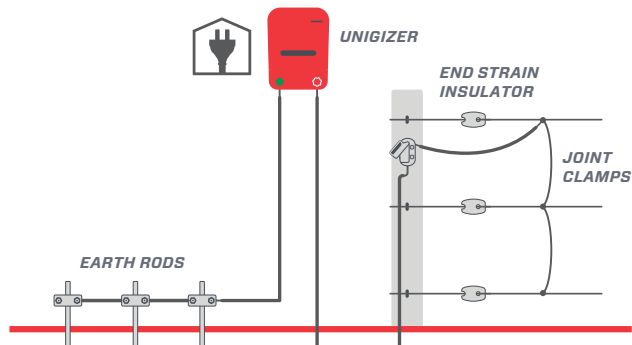
Product code: 880 0000-355

|                                     | 18000i                        | 12000i                       | 6000i                      | 3000                       | 2000                       | 1000                      | 500                     |
|-------------------------------------|-------------------------------|------------------------------|----------------------------|----------------------------|----------------------------|---------------------------|-------------------------|
| <b>AREA/DISTANCE</b>                | 270 acres<br>110 ha<br>180 km | 180 acres<br>70 ha<br>120 km | 90 acres<br>36 ha<br>60 km | 45 acres<br>18 ha<br>30 km | 30 acres<br>12 ha<br>20 km | 15 acres<br>6 ha<br>10 km | 8 acres<br>3 ha<br>5 km |
| <b>MAXIMUM OUTPUT ENERGY</b>        | 18 J                          | 12 J                         | 6 J                        | 3 J                        | 2 J                        | 1 J                       | 0.5 J                   |
| <b>MAXIMUM STORED ENERGY</b>        | 24 J                          | 16 J                         | 9 J                        | 4.5 J                      | 2.7 J                      | 1.5 J                     | 0.7 J                   |
| <b>NO LOAD VOLTAGE</b>              | 9,900 V                       | 9,100 V                      | 9,500 V                    | 11,400 V                   | 11,000 V                   | 9,800 V                   | 8,300 V                 |
| <b>MEDIUM LOAD VOLTAGE AT 500 Ω</b> | 7,700 V                       | 7,700 V                      | 6,700 V                    | 6,200 V                    | 5,900 V                    | 5,300 V                   | 4,400 V                 |
| <b>MINIMUM NUMBER OF EARTH RODS</b> | 6                             | 6                            | 4                          | 3                          | 3                          | 2                         | 1                       |
| <b>INPUT VOLTAGE</b>                | 12 V / 100 - 240 V            |                              |                            |                            |                            |                           |                         |

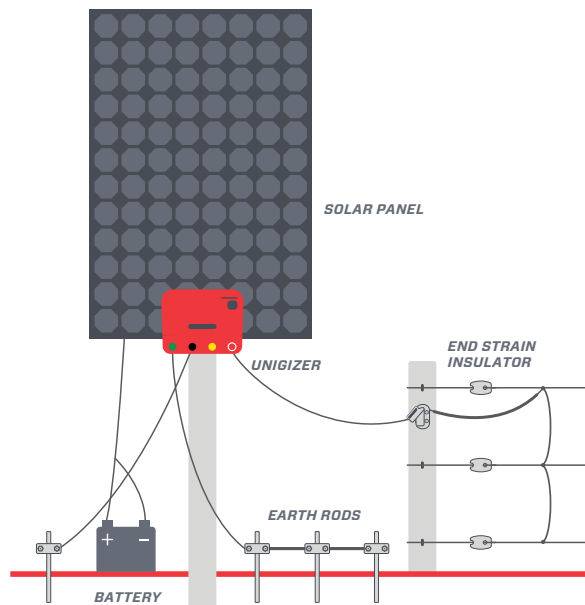
# UNIGIZER™ MOUNTING EXAMPLES

Sample diagrams showing Unigizer and earth system. The number of earth rods will vary, depending on the Unigizer and soil conditions.

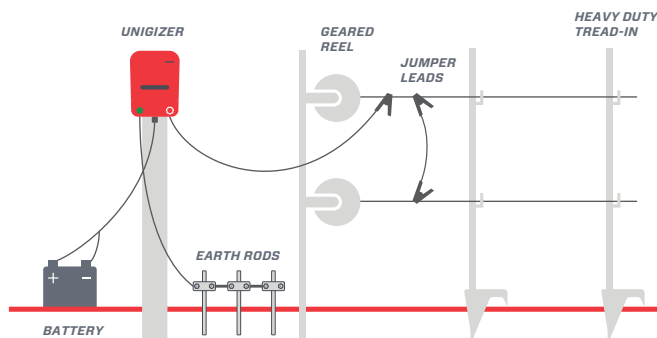
**INDOOR DRY LOCATIONS  
WITH MAINS POWER**



**OUTDOORS WITH 12 V  
BATTERY AND UNIGIZER  
SOLAR KIT**



**OUTDOORS WITH 12 V  
BATTERY**



# UNIGIZER™ SOLAR SYSTEMS

**Speedrite offers a range of solar systems and kits for solar compatible energizers.**

Innovations in technology mean solar installations are now a practical and cost effective method of powering areas where mains power is either unavailable or impractical.

Speedrite solar panels and energizers feature high-tech materials and are engineered to rigorous quality standards. This means you can trust Speedrite to transfer energy with minimal loss. The end result is less battery drain while maintaining higher fence voltage.



## SOLAR SYSTEMS

### Unigizer™ Solar Systems

In a solar system installation your Unigizer™ is powered by a battery which is charged by the solar panel during the day.

Based on average sunlight hours in your region and the output of our Unigizers™, your Speedrite retailer/distributor will identify the appropriate system for your needs.

#### Easy

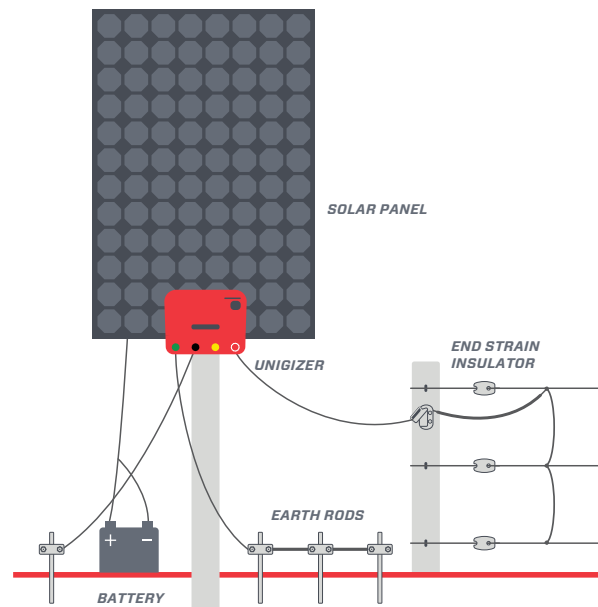
Our solar systems are easy to understand, easy to select and easy to install and operate. We've done the work so you don't have to.

#### Reliable

Designed to ensure the fence stays running in harsh winter conditions – when you need it most.

#### Affordable

Excellent alternative to mains installations, providing the flexibility to power remote "off grid" sites and the security of having multiple Unigizers™ powering the farm.



|                            |   |
|----------------------------|---|
| <b>SOLAR SYSTEM 18000i</b> | Powers up to 270 acres / 110 ha (180 km) of fence |
| <b>SOLAR SYSTEM 12000i</b> | Powers up to 180 acres / 70 ha (120 km) of fence  |
| <b>SOLAR SYSTEM 6000i</b>  | Powers up to 90 acres / 36 ha (60 km) of fence    |
| <b>SOLAR SYSTEM 3000</b>   | Powers up to 45 acres / 18 ha (30 km) of fence    |
| <b>SOLAR SYSTEM 2000</b>   | Powers up to 30 acres / 12 ha (20 km) of fence    |
| <b>SOLAR SYSTEM 1000</b>   | Powers up to 15 acres / 6 ha (10 km) of fence     |

NOTE: Speedrite recommends the use of deep cycle batteries (not included).

### Solar Kits

If you already own a Unigizer™, Solar Kits can be purchased separately to allow for repairs or upgrades to existing installations.

Speedrite Solar Kits contain all components required for your region including: solar panel(s), regulator and mounting bracket. Unigizers™ sold separately.



# ***PORTABLE SOLAR ENERGIZERS***

---

**Speedrite portable solar energizers incorporate an internal battery and are perfect for strip grazing or powering a small area.**

These self contained energizers feature an integrated solar panel and a sophisticated battery management system in a rugged carry case.



# PORTABLE SOLAR ENERGIZER FEATURES



## 3 Year Warranty

We stand behind the reliability of our products. Visit [speedrite.com](http://speedrite.com) for full warranty details.



## Steel and wood post mounting options

High impact enclosure is designed to securely mount on Y-posts and wood posts.



## Requires minimal sunlight

Energizer requires minimal sunlight hours to keep battery at, or near, full charge.



## Rechargeable internal battery

Rechargeable internal sealed battery included.



## Battery recharge

Energizer intelligently manages battery recharging during fine weather.



## High output voltage

Intelligent output up to 9,500 V with no load.



## Rugged design

UV resistant case provides maximum weather protection for extreme environments.



## Battery saver

Microprocessor technology automatically adjusts the output energy depending on the battery condition. This feature is designed to extend battery life.



## Indicator light

Located on the rear of energizer, indicates the solar energizer is operating.

## PORTABLE SOLAR ENERGIZERS

### S1000

Powers up to 10 km / 6 miles of fence 1.0 J maximum output energy (1.30 J stored energy)

- Requires minimal sunlight
- Indicator light (pulse)
- Battery saver
- Rugged design
- High output voltage
- Rechargeable internal battery
- Steel and wood post mounting options
- On/Off switch
- 3 year warranty
- Comes with built-in solar panel and 12 V 7 amp hour battery



Product code: 880 0002-626

### S500

Powers up to 5 km / 3 miles of fence 0.50 J maximum output energy (0.65 J stored energy)

- Requires minimal sunlight
- Indicator light (pulse)
- Battery saver
- Rugged design
- High output voltage
- Rechargeable internal battery
- Steel and wood post mounting options
- On/Off switch
- 3 year warranty
- Comes with built-in solar panel and 12 V 7 amp hour battery



Product code: 880 0002-623

**NEW**

DATAMARS  
**Livestock™**

**Speedrite.**  
DATAMARS

**POWER AVAILABLE  
ANYTIME, ANYWHERE**

- ✔ **VOLTAGE & BATTERY INDICATORS**
- ✔ **FOUR OPERATING MODES**
- ✔ **ENVIRONMENTALLY FRIENDLY**
- ✔ **RUGGED DESIGN**

**SPEEDRITE IS HARNESSING SOLAR ENERGY** to deliver power where you need it. Introducing the S2000 and S3500, featuring our trusted solar energizer design, now in 2 J and 3.5 J options. These portable, integrated solar energizers are built for easy installation and maximum efficiency.



**WORKS WITH  
TEMPORARY  
FENCING TOO  
(WIRING INCLUDED)**

**WWW.SPEEDRITE.COM**

# PORTABLE SOLAR ENERGIZERS

## S2000



Powers up to 20 km / 12 hectares of fence 2.0 J maximum output energy (2.6 J stored energy)

Product code: : 880 0004-843

## S3500



Powers up to 30 km / 20 hectares of fence 3.5 J maximum output energy (4.6 J stored energy)

Product code: 880 0004-847

- ✓ *PLUG AND PLAY DESIGN FOR EASY USE*
- ✓ *EASY TO INSTALL ON STEEL OR WOOD POSTS*
- ✓ *PORTABLE FOR TEMPORARY, SEMIPERMANENT, AND PERMANENT INSTALLATIONS*
- ✓ *INTEGRATED SOLAR PANEL AND BATTERY*
- ✓ *FULL OR HALF POWER MODES FOR USE IN ANY CONDITION*
- ✓ *DAY OR NIGHT MODE FOR TO CLEARLY SHOW BATTERY CHARGE*
- ✓ *POWERS FENCE ALL YEAR ROUND WITHOUT INTERVENTION*
- ✓ *ROBUST OUTPUT TERMINALS*
- ✓ *RUGGED, WEATHERPROOF DESIGN*
- ✓ *SUSTAINABLY PACKAGED*
- ✓ *3 YEAR WARRANTY*

## **BUILT FOR EVERY FARM**

Four power modes offer options for any scenario: full power for traditional use; half power for clean, well-maintained fences and trained stock for consistent output in all weather; night mode for nocturnal wildlife or use in public spaces; or day mode for power conservation at night

## PORTABLE SOLAR ENERGIZERS

**S150**

Powers up to 2 km / 1.2 miles of fence 0.15 J maximum output energy (0.21 J stored energy)

- Requires minimal sunlight
- Indicator light (pulse)
- Battery saver
- Rugged design
- High output voltage
- Rechargeable internal battery
- Steel and wood post mounting options
- On/Off switch
- 3 year warranty
- Comes with built-in solar panel and 6 V 4 amp hour battery

Product code: 880 0002-604

**S80**

Powers up to 1 km / 0.6 miles of fence 0.08 J maximum output energy (0.11 J stored energy)

- Requires minimal sunlight
- Indicator light (pulse)
- Battery saver
- Rugged design
- High output voltage
- Rechargeable internal battery
- Steel and wood post mounting options
- On/Off switch
- 3 year warranty
- Comes with built-in solar panel and 6 V 4 amp hour battery

Product code: 880 0002-607

## COMPACT ENERGIZERS FOR EFFECTIVE CONTROL.

|  | <b>S500</b>      | <b>S1000</b>     | <b>S2000</b>      | <b>S3500</b>      |
|--|------------------|------------------|-------------------|-------------------|
| <b>Output Joules</b>                         | 0.5 J            | 1 J              | 2 J               | 3.5 J             |
| <b>Stored Joules</b>                         | 0.65 J           | 1.3 J            | 2.6 J             | 4.6 J             |
| <b>Area covered</b>                          | Up to 3 hectares | Up to 6 hectares | Up to 12 hectares | Up to 20 hectares |
| <b>Integrated solar panel and battery</b>    | ✓                | ✓                | ✓                 | ✓                 |
| <b>Steel or wood post mounting</b>           | ✓                | ✓                | ✓                 | ✓                 |
| <b>Plug-and-play design</b>                  | ✓                | ✓                | ✓                 | ✓                 |
| <b>Full, half, day, or night power modes</b> |                  |                  | ✓                 | ✓                 |
| <b>Battery indication mode</b>               |                  |                  | ✓                 | ✓                 |
| <b>Sustainable packaging</b>                 | Coming soon      | Coming soon      | ✓                 | ✓                 |
| <b>Solar panel</b>                           | 9.6 W            | 9.6 W            | 28 W              | 39 W              |
| <b>Warranty</b>                              | 3 years          | 3 years          | 3 years           | 3 years           |

# **BATTERY ENERGIZERS**

**Speedrite battery energizers provide a portable and practical solution for strip grazing and large or small electric fence systems.**

Convenient, portable and quick to set up. Energizers™ are also compatible with battery power.



## BATTERY ENERGIZERS

### B500



Designed to deliver power to the end of the fence even under heavy load. Powers up to 5 km (3 miles) of fence wire. 0.5 J maximum output energy (0.67 J maximum stored energy). (Batteries not included)

- Power by External 12v battery.
- Battery saving mode
- 'Plug and play' operation
- Rugged design
- LED indicator
- Multiple mounting options
- 3 year warranty
- Comes with fence lead set

Product code: 880 0002-738

### AN90



Powerful and versatile strip grazing unit. Powers up to 2 km of fence 0.12 J maximum output energy (0.16 J stored energy). (Batteries not included)

- Simple set up
- On/Off switch
- Powered by 12 V external battery or 4 x D cell batteries
- Fast and slow options
- Optional tread-in stand
- Flashing LED
- 3 year warranty

Product code: 880 0000-775  
880 0000-185 (with Stand)

### AN20



Powers up to 1 km of fence 0.04 J maximum output energy (0.05 J stored energy). (Batteries not included)

- Simple set up
- On/Off Switch
- Intelligent battery management to extend battery life
- 3 year warranty
- Powered by 2 x D cell batteries

Product code: 880 0000-329

|   | B500    | AN90   | AN20            |
|---|---------|--|-----------------|
| <b>DISTANCE YOU WANT THE ENERGIZER TO POWER</b> | 5km     | 2 km   | 1 km            |
| <b>MAXIMUM OUTPUT ENERGY</b>                    | 0.5 J   | 0.12 J   | 0.04 J          |
| <b>MAXIMUM STORED ENERGY</b>                    | 0.67 J  | 0.16 J   | 0.05 J          |
| <b>NO LOAD VOLTAGE</b>                          | 8,200 V | 8,000 V  | 5,800 V         |
| <b>LIGHT LOAD VOLTAGE AT 2000 Ω</b>             | 6,700 V | 4,500 V  | 2,800 V         |
| <b>MINIMUM NUMBER OF EARTH RODS</b>             | 1       | 1  | 1               |
| <b>INPUT VOLTAGE</b>                            | 12 V    | 4 x D batteries,<br>12 V or 6 V external battery | 2 x D batteries |



# ***MANAGEMENT TOOLS***

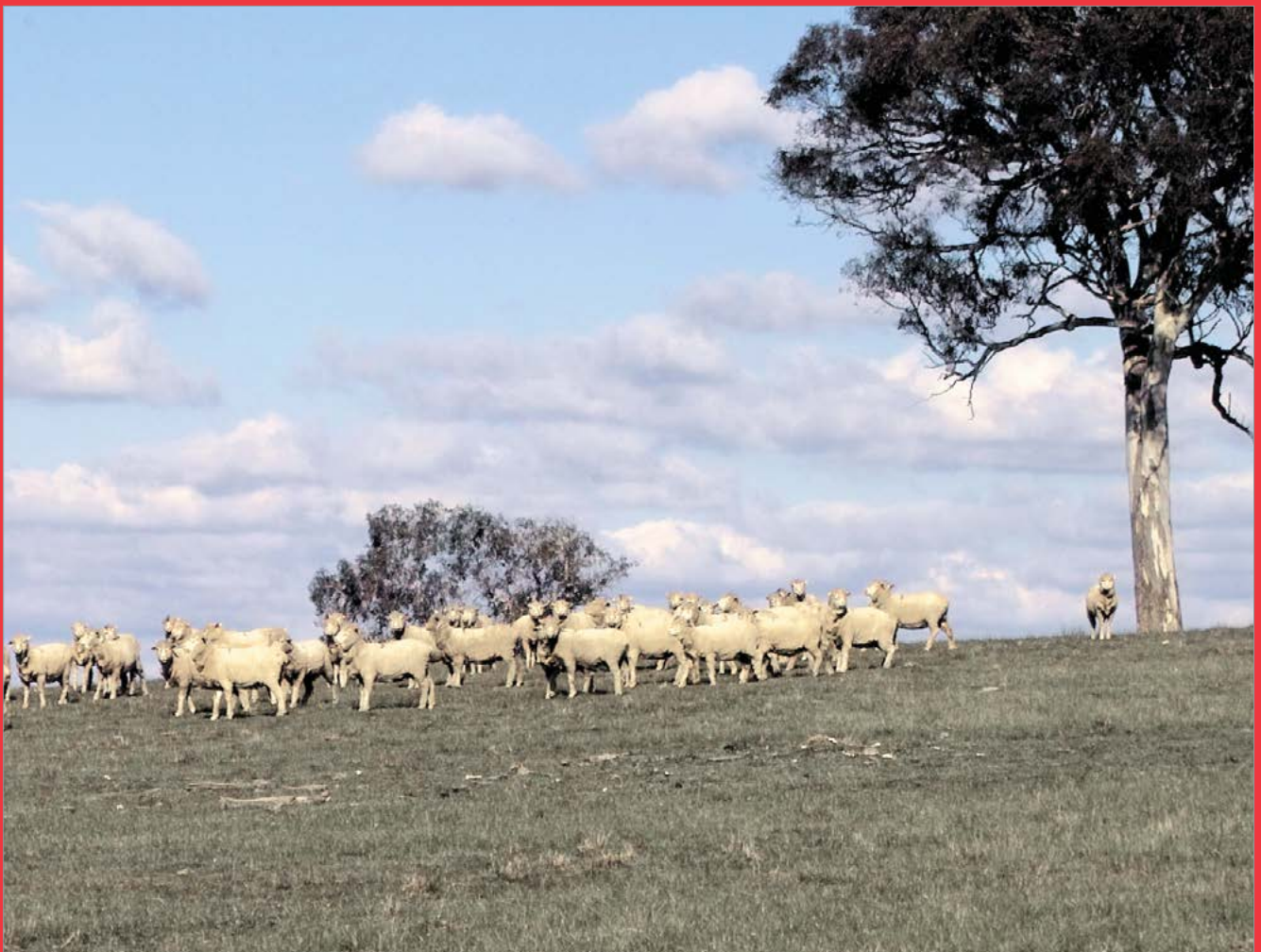
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## ***MEASURE AND MONITOR YOUR FENCE***

To get the maximum performance from an energizer you need to be able to measure and monitor your fence system effectively.

No matter how good an energizer is, if the fence line is badly insulated, has shorts, or is poorly earthed, it will perform well below its optimum. Advances in remote and fault-finding technology mean you can quickly locate and fix faults on your fence with a minimum of fuss.

For the right advice and optimum fence design, contact your local Territory Manager.



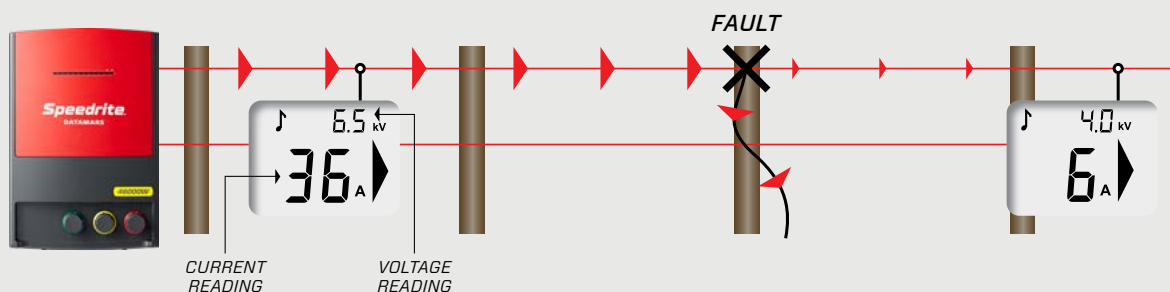
# MANAGEMENT TOOLS

**Essential fence maintenance tools for accurate testing of your fence and energizer earth system.**

Make fence maintenance easy with our range of testers, voltmeters and fence alerts. Durable design for even the most rugged of conditions.

## FAULT FINDING EXPLAINED

Start near the energizer's lead-out wires with your Speedrite Remote with Fault Finder or your Speedrite Fault Finder. Move down the fence line following the arrow away from the energizer. Take readings at regular intervals and at any junction point.



The previous current reading is shown briefly in the top right corner of the screen so that you can compare readings. If the current reading suddenly falls, you have gone past a fault. Retrace your steps to find the fault. Note that after a few seconds the previous current reading will be replaced with the present voltage reading (kV).

 Watch our how-to video online [www.youtube.com/SpeedriteFence](http://www.youtube.com/SpeedriteFence)

## Remote with Fault Finder



- Quickly and easily locates faults along the fence line
- Large back-lit display
- Displays current, voltage and current direction simultaneously
- Displays previous current reading to compare values
- Audible current indicator
- Convenient belt clip
- Insulated, rugged, water resistant case
- Replaceable 9 V battery
- Low battery warning system
- Automatic energizer polarity detection
- Fault Finding option can be used with all energizers
- Turns compatible Speedrite energizer on or off from anywhere along the fence line
- 2 year warranty\*

Product code: 880 0000-860

## Fault Finder



- Quickly and easily locates faults along the fence line
- Large back-lit display
- Displays current, voltage and current direction simultaneously
- Displays previous current reading to compare values
- Audible current indicator
- Convenient belt clip
- Insulated, rugged, water resistant case
- Replaceable 9 V battery
- Low battery warning system
- Automatic energizer polarity detection
- Works with all energizers
- 2 year warranty\*

Product code: 880 0000-771

## Digital Voltmeter



- Enables accurate testing of fence and energizer earth system
- Earth probe provides accurate fence to ground voltage measurements
- Readings from 200 V to 9,900 V in 100 V increments
- Rugged design
- Automatic On/Off
- Replaceable 9 V battery
- 1 year warranty\*

Product code: 880 0000-620

## Light Tester



- Handy, pocket-sized unit for testing general fence condition
- Shows if fence is live and measures approximate voltage
- Readings from 2,000 V to 6,000 V in 1,000 V increments
- Easy to read voltage markings
- No battery required
- 1 year warranty\*

Product code: 880 0000-120

## Fence Alert



- Warning light begins flashing when voltage is too low
- Visible up to 1.5 km away
- Rugged impact and water resistant case
- Can be used on any type of electric fence
- Works with all energizers
- No ground wires or external power sources required
- Battery life 5 years on standby or up to 2 weeks of continuous flashing
- 2 preset voltage triggers can be selected
- Replaceable battery
- 1 year warranty\*

Product code: 880 0000-521

\*Batteries fitted inside management tools have a 90 day warranty.

# ***FENCE MONITORING SOLUTION***



**ANY ENERGIZER**  
**ANYTIME**  
**ANYWHERE**

**Tru-Test™**  
**DATAMARS**

## HOW THE SYSTEM WORKS

Tru-Test Fence Monitoring System puts the ease of constant fence voltage readings right in your pocket, securing your livestock or crops.

Solar-powered nodes placed along an electric fence line continuously measure voltage and send automatic alerts to a Farm Gateway interface whenever a drop is detected.

The weatherproof Farm Gateway attaches easily to a barn or shed and sends those alerts directly to a smart device via the Datamars Livestock app, so problems can be located and fixed immediately.

## SECURE LIVESTOCK CONTAINMENT:

Peace of mind since you're connected to 24/7 monitoring anytime, anywhere.

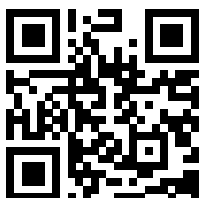
## FAST FENCE REPAIR:

Instant alerts whenever an issue occurs so you can locate performance problems and fix them quickly.

## SAVE TIME AND EFFORT:

No more checking kilometres of fence. Install the system anywhere, including remote locations.

For full set up instructions follow the QR code below

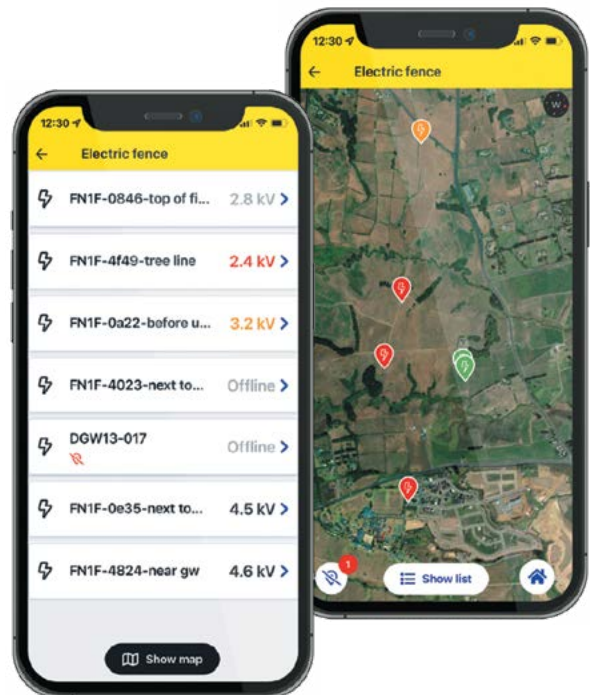


## NO OTHER SYSTEM COMPARES

### FENCE MONITORING WITH THE DATAMARS LIVESTOCK APP

- Install the system and register your farm
- Invite additional users, set admin permissions and update names
- Adjust notifications & GPS locations
- Update WiFi network as needed
- View current voltage or change voltage thresholds instantly

- Works with any brand of energizer
- Instant voltage readings to a smart device
- Gateway connects by WiFi or Ethernet
- Cloud-based data storage for 24/7 monitoring and access
- Cover larger areas by adding nodes; 1 Gateway & up to 50 Nodes per system
- Designed for remote locations
- Up to 500 metres of radio frequency per Node within line of sight
- Nodes record up to 12,000V
- UV stabilized hardware; weatherproof, durable and made to last
- LEDs & in-app instructions for easy install with just a cordless drill, wrench and wire cutters



## SPECIFICATIONS

### Fence Monitoring Node FN1F 2W



### Fence Monitoring Gateway GW1 - Wi-Fi/Ethernet



|   |   |
|---|---|
| ✓ Measures up to 12,000 V   | ✓ Collates information from Fence Monitoring Nodes                          |
| ✓ Records a measurement every 2 minutes   | ✓ Wi-Fi/Ethernet for access to the internet                                 |
| ✓ Solar panel for all year round operation – 2W                                   | ✓ Bluetooth® Low Energy for easy setup                                      |
| ✓ Internal battery for low sun conditions<br>– 10 days no sun operation           | ✓ Power adaptor included for continuous operation<br>– 100 – 240 V          |
| ✓ RF communication distance to gateway/other nodes<br>– Up to 500 m line of sight | ✓ Internal battery back-up for brownout conditions<br>– 12 hours of back-up |
| ✓ LEDs to indicate operation  | ✓ LEDs to indicate operation  |
| ✓ Can be easily mounted to wood post or steel post                                | ✓ RF communication distance to nodes Up to 500 m line of sight              |
| ✓ Outdoor weatherproof design   | ✓ Can be easily mounted to internal/external shed or house wall             |
|   | ✓ Outdoor weatherproof design   |

#### Data usage:

- Minimum system of 1 x Fence Monitoring Gateway and 1 x Fence Monitoring Node: 10MB/day.
- For each additional Fence Monitoring Node: additional 1.5 MB/day.

## Datamars Livestock App:



## Connectivity (required):



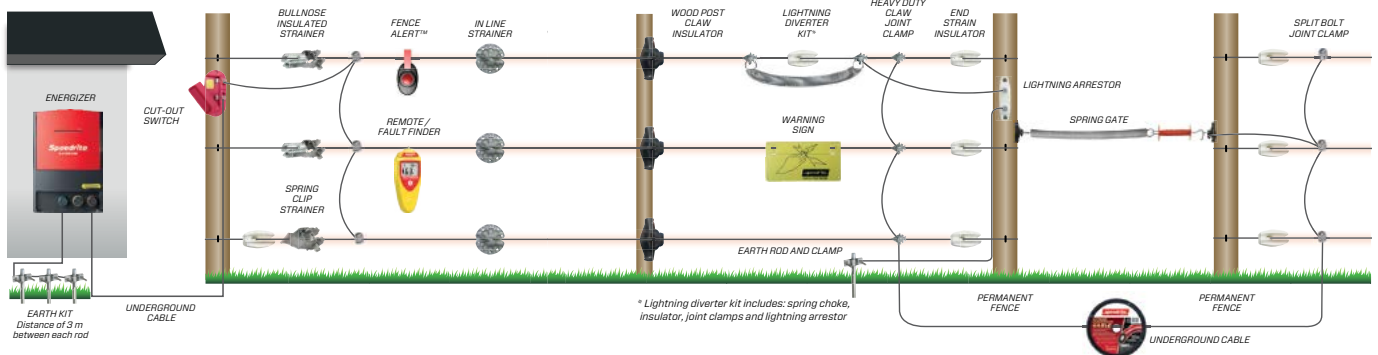
### Order Information

|  |                       |
|--|-----------------------|
| Fence Monitoring Node 2W (FN1F 2W)   | Part No: 880 0004-540 |
| Gateway – Wi-Fi/Ethernet (GW1)   | Part No: 880 0004-541 |
| Fence Monitoring Starter Kit 2W (FN1F 2W KIT)<br>3 x Fence Monitoring Node 2W (FN1F 2W) and 1 x Gateway – Wi-Fi/Ethernet (GW1) | Part No: 880 0004-597 |

†Nodes can be installed up to 500 m apart (line of sight). Each node must be connected to the fence and earth/ground to measure fence voltage.

**Included:** solar/battery for node and post mounting components, power adaptor for gateway and wall mounting components.

**Not included:** earth/ground rod, lead-out cable and joint clamps.



These products are recommended to ensure top performance of your permanent electric fence system. Diagram is an example only. For more details on permanent electric fencing design visit [speedrite.com/resources](https://www.speedrite.com/resources)





## ***FLEXIBLE, DURABLE AND ECONOMICAL***

---

Permanent electric fence solutions are easy to install and operate with less maintenance.

They are also a safer fencing solution for your stock. Animal contact with the fence is reduced and it's less likely to injure if a fence is breached.

Speedrite's range of equine products for use in permanent electric fencing are identified by the horse logo.



# ***PERMANENT ELECTRIC FENCE ACCESSORIES***

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**Speedrite insulators are reliable, strong and UV stabilised for long life. All Speedrite insulators come with a 10 year warranty.**



## WOOD POST INSULATORS

### Wood Post Claw Insulator



- Rugged claw design
- UV stabilised for long life
- Unique staple guides
- Twin spark guards prevent arcing and increased distance from wire to post reduces risk of leakage
- Suitable for up to 4 mm (8 ga) wire, poliwire or braid

Product code:  
880 0000-629 (25 pack)  
880 0000-986 (125 pack)

### Heavy Duty Wood Post Claw Insulator



- Rugged claw design
- UV stabilised for long life
- Spark guard prevents arcing and increased distance from wire to post reduces risk of leakage
- Suitable for up to 4 mm (8 ga) wire, poliwire or braid

Product code: 880 0001-048 (25 pack)

### Power Staple Wood Post Claw Insulator



- Designed for use with STOCKade ST400/ST400i fencing staplers, guide attachment and 45/50 mm length divergent point barbed fencing staples
- Speed and precision - a world-first electric fencing installation system
- Fire staples safely with both hands clear of the wood post
- Fast and safe reloading
- Robust claw design holds the wire securely

Product code: 880 0000-791 (125 pack)  
880 0000-465 (1,000 pack)  
880 0000-272 (guide attachment)

### Wood Post Pinlock Insulator



- Rugged pinlock design
- UV stabilised for long life
- Unique staple guides
- Twin spark guards prevent arcing and increased distance from wire to post reduces risk of leakage
- Suitable for up to 4 mm (8 ga) wire, poliwire or braid
- High strength pinlock, conveniently allows easy removal of wires

Product code: 880 0000-833 (25 pack)  
880 0000-825 (125 pack)

### Wood Post Pinlock Insulator



- Rugged pinlock design
- UV stabilised for long life
- Spark guard prevents arcing and increased distance from wire to post reduces risk of leakage
- Suitable for up to 4 mm (8 ga) wire, poliwire or braid
- High strength pinlock, conveniently allows easy removal of wires

Product code: 880 0000-365 (25 pack)

## WOOD POST INSULATORS

### Jumbo Ring Insulator



- For use on wood posts or metal pipes
- Holds most types of electric fence wire including polyrope, coated wire, and braid
- Simple, effective solution for supporting electric fence wires on posts

Product code: 880 0002-056 (25 pack, white)  
880 0002-352 Ring insulator tool (additional)

### Wood Post Nail On Insulator



- Ideal for smaller farms
- UV stabilised for long life
- Easy to install
- Includes 75 mm twisted galvanised nail

Product code: 880 0000-534 (25 pack)

### Wood Post Porcelain Drive Screw Insulator



- High quality, long life porcelain
- White glaze finish
- 41 mm diameter
- Includes drive screw assembly

Product code: 880 0004-399 (20 pack),  
880 0004-428 (200 pack)

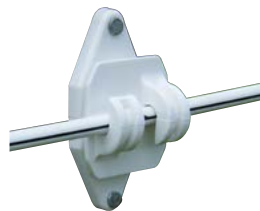
### Wood Post Screw-In Insulator



- Galvanised steel construction for corrosion resistance
- UV stabilised for long life

Product code: 880 0004-149 (25 pack)

### Wood Post Jumbo Claw Insulator



- Use with up to 8 mm rope, braid, or electrified sighter wire
- UV stabilised for long life
- Large spark guard prevents arcing and increased distance from wire to post reduces risk of leakage

Product code: 880 0000-394 (25 pack)

## WOOD POST INSULATORS

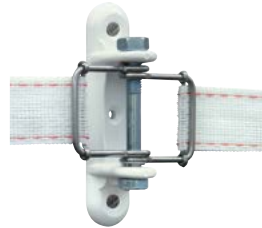
### Wood Post Wide Tape Insulator



- Use with tape up to 40 mm wide, rope, braid or electrified sighter wire
- UV stabilised for long life

Product code: 880 0000-069 (25 pack)

### Wide Tape Corner End Insulator



- Use with tape up to 40 mm
- UV stabilised for long life

Product code: 880 0000-282 (2 pack)

## STEEL POST INSULATORS

### Y-Post Pinlock Insulator



- Rugged self locking, tapered pins for easy removal of wires
- Pinlock design easily connects to steel posts
- UV stabilised for long life
- Spark guard prevents arcing and increased distance from wire to post reduces risk of leakage
- Suitable for up to 4 mm (8 ga) wire, poliwire or braid

Product code: 880 0000-315

### Universal Y-Post Pinlock Insulator



- Suitable for most steel posts including JIO Star™, JIO MaxY™ and standard Y-posts
- UV stabilised for long life
- Twin-pin design for fast and easy attachment
- Pinlock design allows for easy wire removal if required
- Suitable for use with most fence wires including sighter wire, up to 8 mm
- Increased size provides superior strength and twin spark guards prevent arcing

Product code: 880 0000-415 (25 pack),  
880 0000-734 (125 pack)

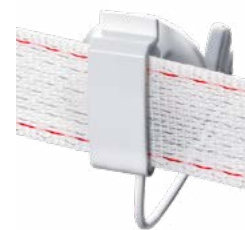
### Heavy Duty Y-Post Pinlock Insulator



- Rugged self locking, tapered pins for easy removal of wires
- UV stabilised for long life
- Suitable for up to 4 mm of fence wire
- Spark guard prevents arcing and increased distance from wire to post reduces risk of leakage

Product code: 880 0001-046 (25 pack),  
880 0000-354 (125 pack)

### Y-Post Wide Tape Insulator



- Use with tape up to 40 mm wide, rope, braid or electrified sighter wire
- UV stabilised for long life
- Spark guard prevents arcing and increased distance from wire to post reduces risk of leakage

Product code: 880 0000-859 (25 pack)

## STEEL POST INSULATORS

### Post Cap Topper



- Side and top fixing options for tape up to 40 mm, poliwire, rope, braid or electrified sighter wire
- UV stabilised for long life
- Easily attaches to Y-posts

Product code: 880 0000-215 (10 pack)

### Porcelain Bobbin Insulator



- High quality, long life porcelain
- White glaze finish
- 41 mm diameter

Product code: 880 0002-107 (10 pack)

### Porcelain Bolt On Insulator



- High quality, long life porcelain
- White glaze finish
- Includes bolt on assembly

Product code: 880 0004-400 (20 pack),  
880 0002-158 (200 pack)

## END STRAIN INSULATORS

### End Strain Insulator White (Heavy Duty)



- Reinforced glass filled polymer for maximum strength
- Suitable for high strain use
- Superior UV stabilisation for long life
- Deep grooves hold wire in place and prevent twisting
- Long leakage path prevents arcing
- Use with most sizes of fence wire

Product code: 880 0001-067 (25 pack)

### End Strain Insulator Black



- Suitable for medium strain use
- UV stabilised for long life
- Deep grooves hold wire in place and prevent twisting
- Long leakage path prevents arcing
- Use with most sizes of fence wire

Product code: 880 0000-260 (25 pack)

### End Strain Insulator Porcelain



- Suitable for high strain use
- High quality long life porcelain
- Deep grooves hold wire in place and prevent twisting under tension
- White glaze finish

Product code: 880 0000-677 (10 pack)

## ROD POST INSULATORS

### Multi-Fit Rod Post Insulator



- Suitable for up to 4 mm (8 ga) wire or up to 7 mm rope, braid & poliwire
- UV stabilised for long life
- Spark guards prevent arcing and increased distance from wire to post reduces risk of leakage

Product code: 880 0000-125 (25 pack)

## INSULTUBE

### Insultube



- Economical insulator fastened with staples (staples not included)

Product code:  
880 0000-947 (4/9 mm x 12 m coil),  
880 0000-174 (4/9 mm x 100 m coil)  
880 0000-199 (6/12 mm x 100 m coil)

## STRAINERS

### Spring Clip Strainer



- Suitable for high strain use
- Spring clip design for easy tensioning
- Rust resistant
- Galvanised frame with aluminium spool
- Rugged and easy to use

Product code: 880 0000-044 (10 pack)

## STRAINERS

### Bullnose Insulated Strainer



- Suitable for high strain use
- Spring clip design for easy tensioning
- Heavy duty insulator protects against arcing
- Rust resistant
- Galvanised frame with aluminium spool
- UV stabilised for long life
- Rugged and easy to use

Product code: 880 0000-002 (10 pack)

### Porcelain Bullnose Insulated Strainer



- Suitable for high strain use
- Spring clip design for easy tensioning
- Heavy duty porcelain insulator for strength, durability and protection against arcing
- Fire and rust resistant
- Galvanised frame with aluminium spool
- Rugged and easy to use

Product code: 880 0000-102 (10 pack)



## CABLE AND SPECIALISED WIRE

### Extreme Underground Cable



- Ideal for large properties with high powered energizers
- 2.7 mm (12 ga) aluminium coated steel for extreme conductivity
- 3 x more conductive than 2.5 mm (12.5 ga) Premium Underground Cable
- 8 x more conductive than 1.6 mm (16 ga) Underground Cable
- Use with Speedrite Joint Clamps
- Resistance of 11.5 ohms / km
- Easy to strip with soft steel core

Product code: 880 0000-921 (50 m spool)  
880 0000-567 (100 m spool)  
880 0000-352 (500 m spool)

### Premium Underground Cable



- Suitable for all properties
- 2.5 mm (12.5 ga) galvanised steel for greater conductivity
- 3 x more conductive than 1.6 mm (16 ga) Underground Cable
- Use with Speedrite Joint Clamps
- Resistance of 35 ohms / km
- Easy to strip with soft steel core for greater flexibility

Product code: 880 0000-718 (25 m spool)  
880 0000-777 (50 m spool)  
880 0000-208 (100 m spool)  
880 0000-356 (500 m spool)

### Underground Cable



- Ideal for small properties with low powered energizers
- 1.6 mm (16 ga) galvanised steel
- Use with Speedrite Joint Clamps
- Resistance of 90 ohms / km
- Easy to strip with soft steel core for greater flexibility

Product code: 880 0000-527 (25 m Spool)  
880 0000-918 (50 m Spool)  
880 0000-258 (100 m Spool)

### Aluminium Coated Lead-out Wire



- Ideal for long lead-out with high powered energizer installations
- 2.7 mm (12 ga) aluminium coated steel for extreme conductivity
- 3 x more conductive than standard 2.5 mm (12.5 ga) galvanised wire
- Resistance of 11.5 ohms / km
- Ideal for use in coastal and other corrosive environments

Product code: 880 0000-051 (1,000 m spool)

### Electrified Sighter Wire



- High tensile wire coated in a conductive carbon compound to deliver low voltage shocks
- Highly visible to help prevent animal entanglement

Product code: 880 0000-181 (White 400 m)

NEW


**Speedrite.**  
DATAMARS


**BETTER ISOLATION** ✓

**LIVE HOT TIPS** ✓

**MORE DURABLE** ✓

## **POWER YOUR FARMER'S PERIMETER**

### **Speedrite Hot Tip Outriggers**

add a hot strand to your farmer's existing perimeter to deter livestock, pests, or predators from causing damage to the permanent fence. Each wire connection point is live, so even the most determined animal will receive a shock no matter where they touch the hot wire. Available for wood or steel posts.



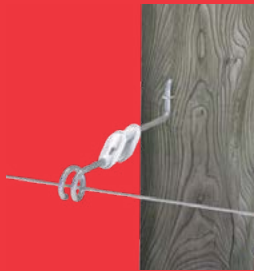
STEEL POST  
OUTRIGGERS  
AVAILABLE.  
(FIXINGS INCLUDED)

[WWW.SPEEDRITE.COM](http://WWW.SPEEDRITE.COM)

### WOOD POST OUTRIGGERS

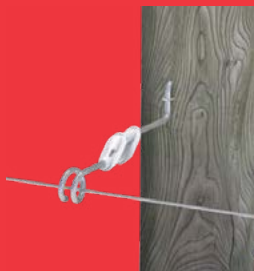
### HOT TIP OUTRIGGERS

## Hot Tip W/Post Single 170 mm



Product code: 880 0004-829

## Hot Tip W/Post Single 300 mm



Product code: 880 0004-830

## Display box



## REINFORCE EXISTING FENCES WITH EASE.

- ✓ *FEATURES RIDGES TO STOP WATER POOLING AND PREVENT SHORTS*
- ✓ *AVAILABLE IN 170 MM AND 300 MM LENGTHS*
- ✓ *EASY TO INSTALL*
- ✓ *WORKS WITH WIRE OR POLIWIRE/BRAID/ ROPE UP TO 8MM OR POLITAPE UP TO 20 MM*
- ✓ *MADE WITH 6 MM GALVANISED STEEL WIRE*
- ✓ *UV STABILISED MATERIALS FOR LONG LIFE AND DURABILITY*
- ✓ *10 YEAR WARRANTY*

## Wood Post Fibreglass Outrigger



- 300 mm wood post fibreglass outrigger
- 10 mm diameter, UV stabilised, silicon bonded fibreglass

Product code: 880 0004-431 (50 pack)

## Wood Post Screw-In Outrigger



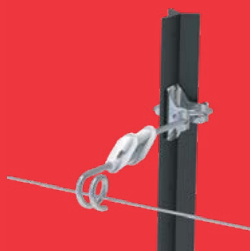
- 200 mm wood post screw in outrigger
- Steel construction for corrosion resistance
- UV stabilised for long life

Product code: 880 0004-142 (25 pack)

## STEEL POST OUTRIGGERS

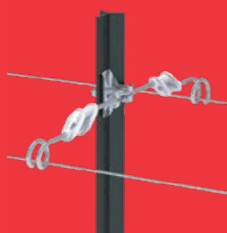
### HOT TIP OUTRIGGERS

#### Hot Tip Y/Post Single 170 mm



Product code: 880 0004-831

#### Hot Tip Y/Post Double 170 mm



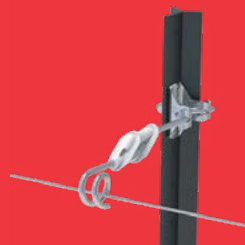
Product code: 880 0004-833

### Display box



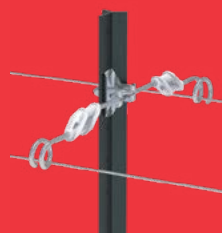
**REINFORCE EXISTING  
FENCES WITH EASE.**

#### Hot Tip Y/Post Single 300 mm



Product code: 880 0004-832

#### Hot Tip Y/Post Double 300 mm



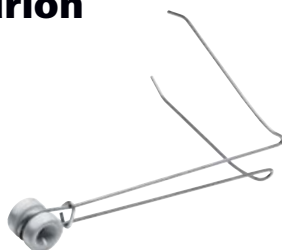
Product code: 880 0004-834

- ✓ *FEATURES RIDGES TO STOP WATER POOLING AND PREVENT SHORTS*
- ✓ *AVAILABLE IN 170 MM AND 300 MM LENGTHS*
- ✓ *EASY TO INSTALL*
- ✓ *BRACKET & BOLT ARE PERMANENTLY ATTACHED TO STEEL OUTRIGGER*
- ✓ *STEEL OUTRIGGER COMES IN DOUBLE TO RUN WIRE ON BOTH SIDES OF FENCE*
- ✓ *WORKS WITH WIRE OR POLIWIRE/BRAID/ROPE UP TO 8MM OR POLITAPE UP TO 20 MM*
- ✓ *MADE WITH 6 MM GALVANISED STEEL WIRE*
- ✓ *UV STABILISED MATERIALS FOR LONG LIFE AND DURABILITY*
- ✓ *10 YEAR WARRANTY*

## WIRE OUTRIGGERS

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### Porcelain Wire Curlon

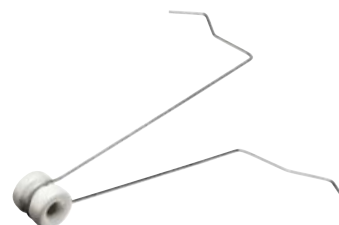


- High quality long life porcelain bobbin
- 4 mm galvanised spring steel construction for superior strength
- C-Clip design provides extra insulator stability

Product code: 880 0004-401 (50 carton)

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### Wire Outrigger 300 mm



- High quality long life porcelain bobbin
- 3 mm galvanised spring steel construction

Product code: 880 0004-147 (50 carton)

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### Pinlock Wire Outrigger

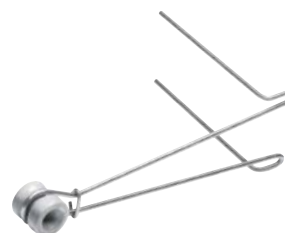


- Ideal for installing electric fencing onto existing non-electrified fences
- Constructed from high tensile galvanised steel
- UV stabilised pinlock insulator for easy wire insertion and removal

Product code: 880 0000-191 (50 carton)

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### Standoff GPSO 300 mm x 5.6 mm

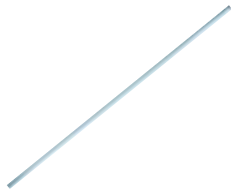


- 300 mm standoff suited for use on concrete posts
- 41 mm porcelain bobbin insulator
- 5.6 mm galvanised spring steel construction for superior strength

Product code: 880 0004-398 (50 carton)

## SEMI-PERMANENT POSTS &amp; POST ACCESSORIES

## Fibreglass Post



- UV stabilised, silicon bonded fibreglass rods
- Available in a range of sizes.

Product code:

880 0004-432 (50 pack, 10mm x 1.3m),  
880 0004-430 (50 pack, 10mm x 1.5m),  
880 0004-434 (50 pack, 10mm x 2.0m),  
880 0000-072 (50 pack, 13mm x 1.5m),  
880 0000-104 (50 pack, 13mm x 2.0m)

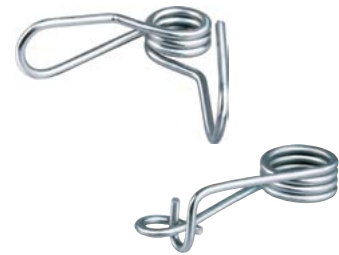
## Drive Cap



- Use with 10 mm and 13 mm fibreglass posts.

Product code: 880 0000-692 (each)

## Fibreglass Post Clip



- Use with 10 or 13 mm fibreglass posts.

Product code:

880 0000-877 (50 pack, 10 mm Temp Clip),  
880 0000-295 (50 pack, 10 mm Ezi Clip),  
880 0001-469 (50 pack, 13 mm Ezi Clip)

## Stainless Steel U Clip



- Suits 10 mm fibreglass posts
- Stainless steel construction for superior corrosion resistance
- Applicator tool available.

Product code: 880 0000-042 (100 pack),  
880 0004-397 (U Clip Applicator Tool)

## Replacement 5m Spring - White



- Electrifies gateways up to 5 m wide
- Versatile and easy to install
- Fully insulated, heavy duty handle with protective guards and non-slip grip
- Highly visible powder coated white rust resistant spring
- Includes: heavy duty insulated handle, 2 x Wood Post Pinlock Insulators, activator and 5 m white spring

Product code: 880 0000-549 (pack),  
880 0000-505 (replacement spring)

## Spring Gate



- Electrifies gateways up to 8 m wide
- Versatile and easy to install
- Fully insulated, heavy duty handle with protective guards and non-slip grip
- Galvanised rust resistant spring
- Includes: heavy duty insulated handle, 2 x Wood Post Pinlock Insulators, activator and galvanised spring

Product code: 880 0000-410 (pack),  
880 0000-696 (replacement spring)

## GATE HARDWARE

### Tape Gate



- Electrifies gateways up to 5 m wide
- Versatile and easy to install
- Fully insulated, heavy duty handle with protective guards and non-slip grip
- Designed for maximum visibility with 40 mm wide tape
- Tape contains 10 stainless steel strands for high conductivity.
- Includes: handle, 2 x Wood Post Pinlock Insulators, buckle, activator and 5 m of white/red Premium Gate Tape

Product code: 880 0000-278 (pack)

### Extreme Reflective Gate Tape



- Includes reflective tape for high visibility and safety across gateways
- Electrifies gateways up to 5 m wide
- Versatile and easy to install
- Robust flat profile handle with strong stainless steel backbone for high conductivity and corrosion resistance
- Includes: Dual Purpose Gate Handle, 2 x Heavy Duty Wood Post Pinlock Insulators, buckle, activator plate and reflective tape

Product code: 880 0000-965 (pack)

### Bungy Gate



- Electrifies gateways and races up to 11 m wide
- Versatile and easy to install
- Fully insulated handle with protective guards and non-slip grip
- Bungy Cord with 4 stainless steel strands provides extreme stretch, high conductivity and maximum shock exposure
- Includes: insulated handle, 2 x Wood Post Pinlock Insulators, activator, galvanised hook, High Visibility Flag and Bungy Cord

Product code: 880 0000-623 (pack, 3.5 m - 7 m),  
880 0000-813 (pack, 5.5 m - 11 m)

### Extreme Reflective Bungy Gate Dual Purpose



Product code: 880 0000-590 (pack)

## GATE HARDWARE & HANDLES

### Heavy Duty Gate Break Handle



- Non-slip insulated grip
- High density UV stabilised polyethylene for long life
- High tensile galvanised spring
- Heavy duty, rugged body with large protective guards

Product code: 880 0000-483 (20 carton, red)  
880 0000-294 (20 carton, yellow)

### Gate Break Handle



- Non-slip insulated grip
- High density UV stabilised polyethylene for long life
- Replaceable heavy duty galvanised spring

Product code: 880 0000-201 (6 pack)

### Extreme Dual Purpose Gate Handle



- Ideal for use in high traffic gateways
- Robust flat profile
- Strong stainless steel backbone for high conductivity and corrosion resistance
- Versatile – fasten tape or bungy through the simple knot-free design
- Unique hook design enables a smooth and secure connection to an activator plate

Product code: 880 0000-915 (10 carton)

### Compression Gate Break Handle



- High tensile, heavy duty spring compresses under tension, preventing over-stretching
- Non-slip insulated grip
- High density UV stabilised polyethylene for long life
- Heavy duty, rugged body with large protective guards

Product code: 880 0000-330 (blue, 20 carton)  
880 0000-798 (white, 20 carton)

### ZAMMR Handle



- Convenient, multi-purpose handle, with a durable design for the toughest conditions
- Use as a live hook or an insulated hook in temporary fencing, or as a gate break handle
- Versatile – connect temporary fence wire, tape or bungy
- Strong stainless steel backbone for high conductivity and corrosion resistance
- Single piece over-mould ensures a fully insulated handle

Product code: 880 0000-193 (10 carton)



## GATE HARDWARE & HANDLES

### No Kick Handle



- Used when an insulated connection is required
- Strong UV resistant design
- For use in temporary fence application
- Slim design for ease of use

Product code: 880 0000-543 (10 pack)

### Gate Activator



- For use with tape, spring and bungy gates
- 3 connection points for flexibility.

Product code: 880 0000-262 (10 pack)

### Bungy Cord



- Heavy duty electrified shock cord with supreme elasticity
- 4 stainless steel wires cross over 10 x per cm for maximum conductivity
- Suitable for all livestock
- UV stabilised for long life

Product code: 880 0000-844 (50 m spool)

### Extreme Reflective Gate Bungy Cord



- For high visibility and superior safety across gateways
- Reflective strands woven through the centre
- Bungy cord includes a multi strand core and double sheath for UV resistance and long life

Product code:  
880 0000-854 (Reflective Bungy, 50 m Spool)

### Extreme Reflective Gate Tape



- For high visibility and superior safety across gateways
- Reflective strands woven through the centre
- Tape includes 10 stainless steel strands for greater conductivity

Product code:  
880 0000-406 (Reflective Tape, 40 mm 50 m Roll)

### Tape Gate Buckle



- For use with Premium Gate Tape

Product code: 880 0000-699 (10 pack)

### Bungy Cord Hook



- Galvanised hook for bungy gate anchor

Product code: 880 0001-055 (10 carton)

## GENERAL ACCESSORIES

### Extreme Cut-Out Switch



- Use to isolate sections of electric fence with minimal disruption to your farm
- Long life stainless steel contacts
- Easily sighted on/off position
- UV stabilised for long life

Product code: 880 0000-542 (10 carton)

### Cut-Out Switch



- Use to isolate sections of electric fence with minimal disruption to your farm
- 2 stainless steel contacts for positive connection
- Highly visible on/off position
- Fits securely onto post
- UV stabilised for long life

Product code: 880 0000-082 (10 carton)

### Heavy Duty Claw Joint Clamp



- Use to create electrical connections between wires
- Galvanised construction for superior rust resistance
- Claw design allow multiple connecting wires
- Suitable for wire up to 4 mm (8 ga)

Product code: 880 0000-113 (20 pack)

### Split Bolt Joint Clamp



- Use to create electrical connections between wires
- Solid zinc for superior corrosion resistance
- Ideal for coastal or other harsh environments
- Suitable for wire up to 2.7 mm (12 ga)

Product code: 880 0000-214 (20 pack)

### Lightning Diverter Kit



- Kit contains components needed to block and divert most voltage spikes from lightning strikes
- Includes: spring choke, insulator, joint clamps and lightning arrester

Product code: 880 0000-796 (pack),  
880 0001-058 (Replacement Lightning Arrester)

## GENERAL ACCESSORIES

### Flood Gate Controller



- Limits energy loss from heavy growth or flooding
- Fully sealed from insects and the environment
- Ideal for use near creeks, river beds and areas prone to flooding

Product code: 880 0000-597 (pack)

### Earth Clamp



- Solid construction
- Galvanised steel construction for corrosion resistance

Product code 880 0000-739 (3 pack)

### Galvanised 1.0 m T-Top



- 1.0 m earth rod
- T bracket enables quick and easy attaching of earth lead
- Galvanised steel construction for corrosion resistance

Product code: 880 0004-150 (each)

### Bentonite Earth Kit



- Designed to improve soil conductivity around earth rod in dry or non-conductive soils
- Stainless steel construction for enhanced corrosion resistance
- Includes: 1.2 m stainless steel rod, stainless steel earth clamp and Bentonite Salt Solution
- In non-conductive soils, 1 x Bentonite Earth Kit is equivalent to up to 3 standard earth rods

Product code: 880 0004-429 (each)

### Warning Sign



- Clear warning for safety
- Signs may be required by law, refer to your local bylaws for more information

Product code: 880 0000-076 (each)

### Earthing Electrode



- Stainless steel earth rod
- 1.2 m long

Product code: 880 0004-426



# ***EARTH SYSTEMS***



## ***OPTIMISE YOUR FENCE***

---

Your earth system is the most important component of your electric fence system. An effective earth system will optimise the performance of your fence.

# SETTING UP YOUR EARTH SYSTEM

## Installing your Energizer

Before installing make sure you have read all the instructions provided with your energizer.

### Indoor installation

#### Mains, Unigizer™ or battery powered energizer

- Mount out of reach of children and animals
- Mount a mains powered energizer near a power point

### Outdoor installation

#### Unigizer or battery powered energizer

- Mount out of reach of children and animals
- If necessary, build a protective box or fence around the energizer and battery
- Where possible, connect the energizer to the middle of the fence

### Solar Installation

#### Solar powered energizers

- Mount out of reach of children and animals
- If necessary, build a protective fence around the solar installation
- Where possible, position the energizer and solar panel(s) in the middle of the fence
- Adjust the solar panel(s) to face north in the southern hemisphere and south in the northern hemisphere
- For extended battery life, store your batteries under cover

## Earthing your Energizer

### Understanding earthing

#### What is an earth system?

The earth system consists of a number of earth rods that provide an effective (low resistance) path for the electric current to return to the energizer's earth terminal. Larger energizers with large fence lines require more earth rods.

**How does earthing work?** For an electric fence to give an electric shock the current produced by an energizer must complete a full circuit. The current leaves the energizer and moves along the fence wires through the animal, into the soil and back to the energizer via the earth system. If the earth system is ineffective the animal will receive an inadequate shock.

#### What factors affect your earth system?

Dry, sandy or non-conductive soil (e.g. volcanic soil) provides an ineffective earthing system. If you have this type of soil, it's a good idea to 1) use additional earth rods or 2) choose a better location for the earth system (such as damp soil) or 3) consider an alternative method of earthing such as the Fence Wire Earth Return System.

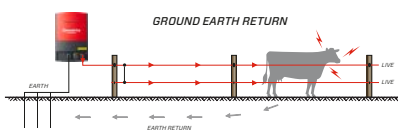
## SETTING UP YOUR EARTH SYSTEM

### Step one – Choose the right system for you

#### Option 1 – Ground Earth Return

Recommended where soil is conductive. This system is suitable for most moist soils.

Current flows through the animal and the ground back to the earth rods.

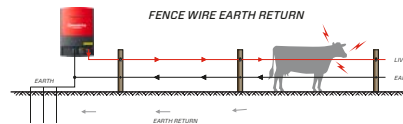


#### Option 2 – Fence Wire Earth Return

Recommended where soil is not conductive. If the soil is dry, sandy or volcanic it is usually not conductive.

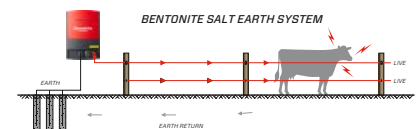
The fence is constructed using both live and earth wires. If the animal touches the live wire, the current flows through the animal and the ground to the earth rods and back to the energizer. If the animal touches the live wire and the earth wire the current flows through the ground and fence earth wire back to the energizer.

It's recommended that earth stakes are placed every 500 m, or 1 km if using Super Earth Kits



#### Option 3 – Super Earth Kit (Australia Only)

Recommended for extremely dry soil conditions. A mixture of bentonite and salt surrounds each earth rod. The salt attracts moisture and acts as a conductor while the bentonite retains moisture over long periods of time. Stainless steel earth rods are required in order to prevent salt corrosion.



### Step two – Select the site for your earth system

A suitable place for an earth system is:

- A minimum of 10 m away from other earth systems, e.g. house mains, underground power or phone lines
- Away from stock or other traffic that could interfere with the installation
- Easily accessible for maintenance
- Where there is damp soil all year round, e.g. shaded or swampy areas

#### TIPS

1. In some situations it is not possible to locate the earth system close to the energizer. As an alternative try using the existing fence line to connect to a remote earth system.
2. It may be necessary to water the earth system in dry weather to improve earth stake performance or increase the number of earth stakes.
3. Talk to our team to find out more.

## SETTING UP YOUR EARTH SYSTEM

### Step three – Insert the earth rods

The number of earth rods required depends on the type of energizer you're using to power the fence and the soil conductivity. It is recommended that you consult with your local Datamars Livestock Territory Manager for the correct number of earth rods to suit your specific location.

1. Space the required number of earth rods at least 3 m apart. If using a Super Earth Kit, space the earth rods at least 10 m apart.

2. Ensure that the earth rods protrude out of the soil by 100 mm so they can be easily connected.

3. Connect the earth rods in series using earth clamps and insulated cable\* in one continuous length without joins.

\* Note you will need to strip small sections of the insulation away from the cable to connect to the earth clamp/earth rod.

### Step four – Testing your earth system

Test your earth system to ensure it's working properly.

To do this:

1. Turn off the energizer.
2. Short circuit the fence to ground at least 100 m away from the energizer. This can be done by laying steel rods or pipes against the fence. In dry or sandy soils drive the rods into the soil up to 300 mm.
3. Turn on the energizer.
4. Use a digital voltmeter to measure the fence voltage. It should read less than 2 kV. If not, repeat steps 1-3 using more steel rods or pipes.
5. Attach the voltmeter clip to the last earth rod of the earthing system.
6. Insert the voltmeter probe into the soil at the full length of the leads.
7. The voltmeter reading should be no more than 0.3 kV. If the reading is higher than this, the earth system is inadequate. Therefore you will need to add more earth rods or find a better location for your earth system. It is recommended you review the checklist opposite.

#### **EARTH SYSTEM CHECKLIST**

**TICK  
HERE**

1. All wires are joined securely
2. Connections to earth rods are secure
3. Earth rods are at least 3 m apart
4. Earth rods are at least 1.2 m long
5. There are a sufficient number of earth rods
6. All parts of the earth system are made of the same metal
7. The earth rods are driven deeply into the soil leaving 100 mm exposed
8. Earth rods are a minimum of 10 m away from buildings or other electrified earth systems, e.g. house mains, underground power or phone lines.





# TEMPORARY ELECTRIC FENCING

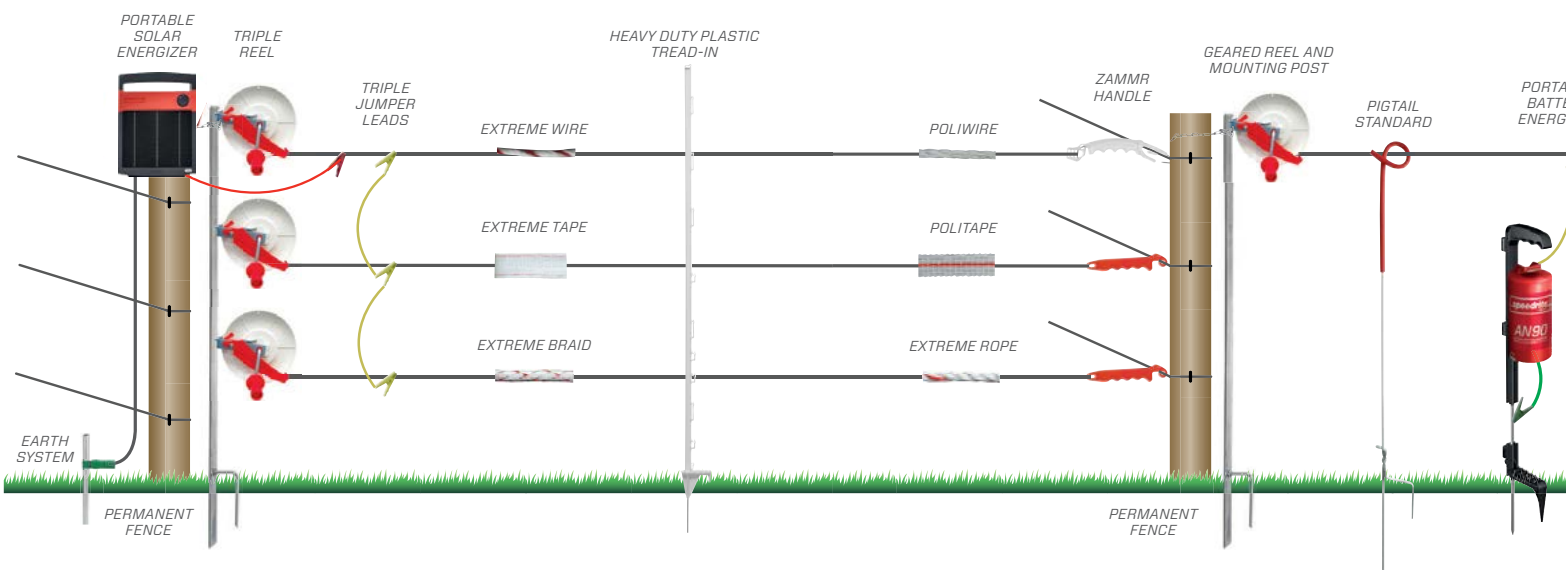
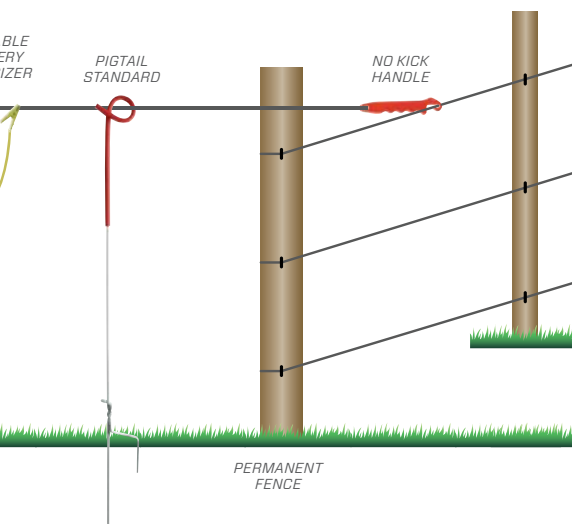


Diagram is an example only. For more details on temporary electric fencing design visit [www.speedrite.com/resources](http://www.speedrite.com/resources).

## VERSATILITY AND EASE

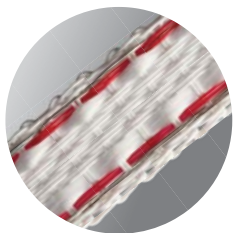
Temporary electric fencing helps to increase production through providing a quick, easy and inexpensive way to subdivide paddocks. This portable fencing solution gives you the versatility to strip graze, make temporary paddocks or pens and protect trees and crops from damage by stock.

Speedrite has a range of equine products for use in temporary electric fencing. Look for the horse logo to identify the Speedrite equine range.



## 12 MM TAPE

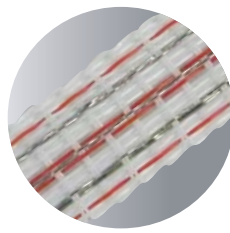
### Extreme Tape 12 mm



Product code:  
880 0000-772 (200 m roll),  
880 0000-514 (400 m roll)

- 6 tinned copper strands
- 106 x more conductive than standard Politape
- Increased shocking and stopping power, ideal for long lengths of temporary and semi-permanent fence
- Heavy duty tape, tightly woven for superior strength
- 12 mm width with white and red weave for ultimate visibility
- UV stabilised for long life

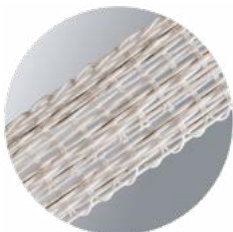
### ENDUROTAPE™ 12 mm



Product code:  
880 0004-144 (200 m roll)  
880 0004-143 (400 m roll)

- 8 stainless steel strands
- 3.5 x more conductive than standard Politape
- Ideal for temporary fencing and strip grazing
- Tightly woven for superior strength
- 12 mm width with white and red weave for high visibility
- UV stabilised for long life

### Politape 12 mm



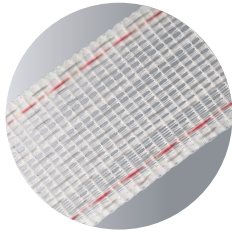
Product code:  
880 0004-396 (white, 100 m roll)  
880 0000-896 (white, 200 m roll)  
880 0001-793 (white, 400 m roll)

- 6 stainless steel strands
- Ideal for temporary fencing and strip grazing
- Tightly woven for superior strength
- 12 mm width with orange and white weave for high visibility
- UV stabilised for long life
- Available in white

| 12 MM TAPES                   | EXTREME TAPE | ENDUROTAPE™ | POLITAPE |
|-------------------------------|--------------|-------------|----------|
| RESISTANCE (OHMS / KM)        | 65           | 2,000       | 6,900    |
| VOLTAGE AT START OF FENCE (V) | 8000         | 8000        | 8000     |
| VOLTAGE AT 100 M (V)          | 7,900        | 5,700       | 3,200    |
| VOLTAGE AT 500 M (V)          | 7,500        | 2,700       | 950      |
| VOLTAGE AT 1 KM (V)           | 7,100        | 1,600       | 500      |

## 40 MM TAPE

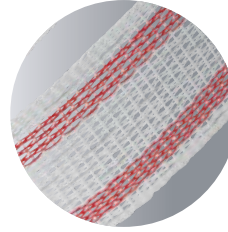
### Extreme Tape 40 mm



- 5 tinned copper strands
- 5 stainless steel strands
- 99 x more conductive than standard Politape
- Ideal for long distance, permanent and semi-permanent fencing
- 40 mm width with white and orange weave for ultimate visibility
- UV stabilised for long life

Product code:  
880 0000-244 (200 m roll)

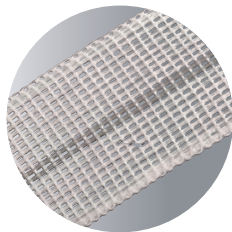
### Premium Tape 40 mm



- 10 stainless steel strands
- 1.7 x more conductive than standard Politape
- Ideal for permanent and semi-permanent fencing or high traffic areas such as gateways
- 40 mm width for high visibility
- UV stabilised for long life

Product code:  
880 0001-969 (white/red, 100 m roll)

### Reflective Tape 40 mm



- For high visibility and superior safety
- 5 reflective strands woven through the centre
- 10 stainless steel strands
- specifically designed for horses, cattle and large, fast moving animals
- UV stabilised for long life

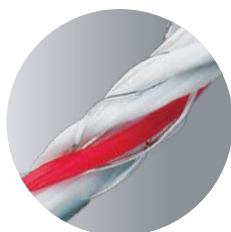
Product code:  
880 0000-406 (reflective, 50 m roll)



| 40 MM TAPES                   | EXTREME TAPE | PREMIUM TAPE | REFLECTIVE TAPE |
|-------------------------------|--------------|--------------|-----------------|
| RESISTANCE (OHMS / KM)        | 70           | 4,000        | 4,000           |
| VOLTAGE AT START OF FENCE (V) | 8000         | 8,000        | 8,000           |
| VOLTAGE AT 100 M (V)          | 7,900        | 4,400        | 4,400           |
| VOLTAGE AT 500 M (V)          | 7,500        | 1,600        | 1,600           |
| VOLTAGE AT 1 KM (V)           | 7,000        | 900          | 900             |

## WIRE

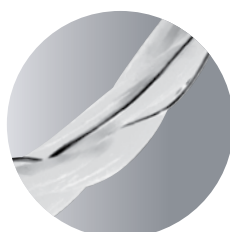
### Extreme Wire



Product code:  
880 0000-212 (200 m roll)  
880 0001-038 (400 m roll)

- 6 tinned copper strands
- 105 x more conductive than standard Poliwire
- Increased shocking and stopping power, ideal for long lengths of temporary and semi-permanent fence
- UV stabilised for long life
- White with red weave for ultimate visibility

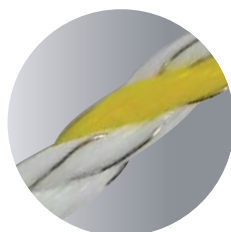
### Poliwire



Product code:  
880 0000-701 (white, 200 m roll),  
880 0000-319 (white 500 m roll)

- 6 stainless steel strands
- An economical choice for temporary fencing and strip grazing
- UV stabilised for long life
- Available in white

### ENDUROWIRE™



Product code:  
880 0004-145 (200 m roll),  
880 0004-146 (500 m roll)

- 6 stainless steel strands
- 2.3 x more conductive standard Poliwire
- Ideal for temporary fencing and strip grazing
- Tightly woven for superior strength
- UV stabilised for long life

| WIRE                          | EXTREME WIRE | POLIWIRE | ENDUROWIRE™ |
|-------------------------------|--------------|----------|-------------|
| RESISTANCE (OHMS / KM)        | 65           | 6,800    | 3,000       |
| VOLTAGE AT START OF FENCE (V) | 8,000        | 8,000    | 8,000       |
| VOLTAGE AT 100 M (V)          | 7,900        | 3,400    | 5,000       |
| VOLTAGE AT 500 M (V)          | 7,500        | 1,000    | 2,000       |
| VOLTAGE AT 1 KM (V)           | 7,100        | 550      | 1,200       |

## BRAID AND ROPE

### Extreme Braid 7 mm



Product code:  
880 0002-167 (200 m roll)

- 4 tinned copper strands for ultimate conductivity
- 4 stainless steel strands for ultimate strength
- 68 x more conductive than standard Poliwire
- Increased shocking and stopping power, ideal for long lengths of temporary and semi-permanent fence
- White with red weave for ultimate visibility
- UV stabilised for long life

### Extreme Braid 3 mm



Product code:  
880 0001-796 (200 m roll)  
880 0004-404 (500 m roll)

- 4 tinned copper strands
- 72 x more conductive than standard Poliwire
- Increased shocking and stopping power, ideal for long lengths of temporary and semi-permanent fence
- White with red weave for ultimate visibility
- UV stabilised for long life

### Extreme Rope 6 mm



Product code:  
880 0001-063 (200 m roll)

- 3 tinned copper strands
- 3 stainless steel strands
- 52 x more conductive than standard Poliwire
- Ideal for temporary fencing and strip grazing
- 6 mm diameter for greater visibility and strength
- UV stabilised for long life

| BRAID AND ROPE                | EXTREME BRAID (7 MM) | EXTREME BRAID (3 MM) | EXTREME ROPE (6 MM) |
|-------------------------------|----------------------|----------------------|---------------------|
| RESISTANCE (OHMS / KM)        | 100                  | 95                   | 130                 |
| VOLTAGE AT START OF FENCE (V) | 8,000                | 8,000                | 8,000               |
| VOLTAGE AT 100 M (V)          | 7,900                | 7,900                | 7,800               |
| VOLTAGE AT 500 M (V)          | 7,300                | 7,300                | 7,100               |
| VOLTAGE AT 1 KM (V)           | 6,700                | 6,700                | 6,300               |

## REELS

**Extreme Geared Reel**

- Holds 500 m of poliwire or 200 m of 12 mm politape
- 3:1 Gear ratio with a solid steel crank
- Wire tracking for even wire distribution across the bobbin
- Drag adjustment to prevent over run and tangling
- Isolated power flow through the reel frame
- New hook design for enhanced stability on fence or bike
- UV stabilised for long life
- 2 Year warranty

Product code: 880 0004-621 (each with ZAMMR Handle)

**Pre-wound Extreme Geared Reel**

- Four geared reel product options, pre-wound with poliwire or tape (12 mm)
- Comes with ZAMMR Handle

Product code: 880 0004-625 (Extreme Wire, 400 m)  
 880 0004-627 (12 mm Politape, 200 m)  
 880 0004-631 (Poliwire, 500 m)  
 880 0004-633 (12 mm Extreme Braid, 200 m)

**Geared Mega Reel**

- Holds 1,000 m poliwire or 400 m politape (12 mm)
- 3:1 gear ratio with a solid steel crank
- Frame insulated from spool
- Use with carry handle or on mounting post
- UV stabilised for long life
- Galvanised steel frame
- Rugged steel locking system

Product code: 880 0001-042 (each)

**Geared Reel**

- Holds 500 m poliwire or 200 m politape (12 mm)
- 3:1 gear ratio with a solid steel crank
- Frame insulated from spool
- Use with carry handle or on mounting post
- UV stabilised for long life
- Galvanised steel frame
- Rugged steel locking system

Product code: 880 0000-434 (each, with ZAMMR Handle)

**Pre-wound Geared Reel**

- Two geared reel product options, pre-wound with poliwire or tape (12 mm)
- 3:1 gear ratio with a solid steel crank
- Comes with ZAMMR Handle

Product code:  
 880 0000-246 (200m Politape & Zammr Gate Handle)  
 880 0000-974 (500m Poliwire & Zammr Gate Handle)  
 880 0000-192 (400m Extreme Wire & Zammr Gate Handle)  
 880 0000-932 (Extreme Tape, 200m)  
 880 0000-982 (3mm Extreme Braid, 200 m)



## Jumbo Econo Reel



- Holds 1,000 m polywire or 400 m polytape (12 mm)
- 1:1 gear ratio
- Frame insulated from spool
- Use with carry handle or on mounting post
- UV stabilised for long life
- Galvanised steel frame
- Rugged steel locking system

Product code: 880 0000-862 (each)

## Econo Reel



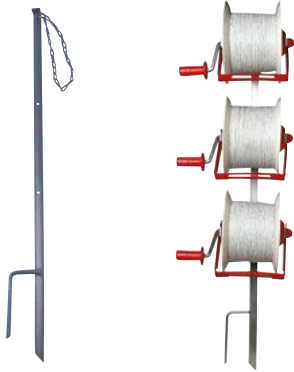
- Holds 500 m polywire or 200 m polytape (12 mm)
- 1:1 gear ratio
- Frame insulated from spool
- Use with carry handle or on mounting post
- UV stabilised for long life
- Galvanised steel frame
- Rugged steel locking system
- Innovative notch frame design for easy and secure fence attachment

Product code: 880 0000-999 (each)



## POSTS

## Galvanised Reel Mounting Post



Pictured: Galvanised three hole mounting post with 3 x Pre-wound reels (sold separately)

Product code: 880 0000-974

- Sturdy galvanised steel construction
- Includes: anchor chain
- Reels not included

Product code: 880 0000-482 (3 Hole)

## Steel Foot Nevabreak



- Available in 1,100 mm total height (900 mm fence height), and 1,500 mm total height (1,300 mm fence height)
- Galvanised spring steel construction
- Up to 5 position for poliwire, tape up to 40 mm and 3 mm braid
- UV stabilised for long life
- Unique rugged crimped foot design for durability
- Extra long length suitable for equine

Product code: 880 0000-008 (10 pack, 1,100 mm)  
880 0000-026 (10 pack, 1,500 mm)

## Heavy Duty Tread-In



- 9 positions available in 860 mm fence height (1,060 mm total height)
- 11 positions available in 1,290 mm fence height (1,500 mm total height)
- Designed for maximum strength and versatility
- Suitable for poliwire, tape up to 40 mm tape or rope and braid up to 8 mm
- UV stabilised for long life
- Rugged "H" profile post
- Galvanised metal spike
- Extra long length suitable for equine

Product code: 880 0000-497 (860 mm, 50 carton),  
880 0000-834 (1,290 mm, 50 carton)

## Plastic Tread-In

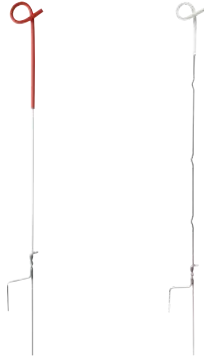


- Strong lightweight construction
- Tread-in directly over steel spike for ease of use
- 6 positions for tape up to 40 mm, poliwire or 3 mm braid
- UV stabilised for long life
- Galvanised metal spike
- 860 mm fence height (1,060 mm total height)

Product code: 880 0000-991 (50 carton)

## POSTS

### Pigtails



- Galvanised spring steel construction
- UV stabilised for long life
- Unique rugged crimped foot design for durability
- 790 mm fence height (960 mm total height)
- Also available in heavy duty 900 mm with white insulator (1,110 mm total height)

Product code:

880 0000-010 (10 pack, 790 mm)

880 0000-059 (10 pack, 900 mm)

### Heavy Duty Steel Pigtail



- 10 mm painted steel construction
- Welded foot design
- 790 mm fence height (960 mm total height)

Product code: 880 0004-438 (10 pack)

## GENERAL ACCESSORIES

### Jumper Leads



- Recommended for ensuring good electrical connections in temporary fencing
- Joint clamps are recommended for permanent electric fencing

Product code: 880 0000-312 (single lead, 1 pack),  
880 0000-666 (triple lead, 1 pack)

### Wide Tape Joiner 40 mm



- Use to join up to 40 mm wide tape
- Made from stainless steel

Product code: 880 0000-471 (5 pack)

### Spare Clip On Insulator



- Suitable for the Nevabreak 1100 mm & 1500 mm tread ins

Product code: 880 0000-765



# Fence Tools



In 1895 a young pioneer Ernest Hayes began farming the rugged back country of New Zealand's South Island and through his background in engineering, soon began to develop the tools that would help turn this wilderness back country into productive land.

Initially produced by hand, Hayes' simple tools began to develop a solid reputation and in 1902 he established the company that would proudly bear his name.

Times have changed, but the Hayes product you buy today remains a tribute to Ernest Hayes' imagination, drive, energy and determination to be the best.

Now 125 years on, Hayes products can be found hard at work in Australia and over 25 countries around the world.

## ProCrimp & Crimp Sleeves

### ProCrimp

(880 0000-123)

4-in-1 fencing tool - crimping tool, staple puller, cable stripper, and wire cutter.

- Hardened stainless steel components provide strength and corrosion resistance
- Double action crimping jaws maximise crimping force and enhance locking action for gripping staples
- Flat head jaws give improved stability when removing staples
- Extra long handles for improved crimping power and greater leverage for removing staples



### Crimp Sleeves

The easiest and most effective means of joining wire. Creates a joint that exceeds the breaking strength of wire.

#### HC2

Suitable for Ø1.6 - 2.5 mm (16 - 12½ gauge) fence wire  
Pot of 100 (880 0000-124) Tub of 500 (880 0000-016)

#### HC3

Suitable for Ø2.50 - 3.15 mm (12½ - 10 gauge) fence wire  
Pot of 50 (880 0000-090) Tub of 500 (880 0000-071)

#### HC4

Suitable for Ø3.55 - 4.0 mm (9 - 8 gauge) fence wire  
Pot of 50 (880 0000-105)

#### HCB Pot of 50 (880 0000-034)

Suitable for barbed wire

#### HCE Pot of 50 (880 0000-052)

For connection to electric fences



## Wire Strainers

### Smooth Grip Chain Strainer

The **original** chain and grab wire strainer. Proven in the field for over 100 years.

- Heavy duty industry leader
- Supplied with with anchor hook and extra long chain **H300AL** (880 0000-093)



*"My team's tools get a hard time yet they must continue to perform. After 100's of kilometres of conventional, electric, horticultural and vineyard fencing, Hayes is definitely my preferred brand"*

Gordy Davy - Fence Contractor, 10 years (Katikati, New Zealand)

## Fence Post Tools

### Steel Standard Lifter

**H325** (880 0000-121)

- Robust design with excellent leverage



## Accessories

### Economy Crimp Tool

**872085** (880 0000-088)

- Double action crimping jaws maximise crimping force and enhance locking action for stripping wire
- Extra long handles for improved crimping power
- Soft grip handles for improved crimping power
- Cuts wire up to 4.00 mm (8ga)
- Locking action makes stripping underground cable easy



# Works better together.

**We're committed to delivering a broader, integrated animal management portfolio, so we've united our product brands under one family – Datamars Livestock.**

Tru-Test, Z Tags and Prattley products, complemented by solutions from Speedrite, Hayes and NJPhillips, allow Datamars Livestock to offer a complete livestock management ecosystem for sheep, cattle and dairy farmers. Our goal is to help you breed the best possible genetics, rear animals to target weights and sell at the best possible price.

Our products work with each other, but most importantly – they work with you.

Contact your local Datamars Livestock Territory Manager to find out more.

## **Tru-Test™** DATAMARS

Tru-Test's range of weighing and electronic identification solutions help farmers to improve productivity and profitability.

[tru-test.com](http://tru-test.com)

## **Z TAGS™** DATAMARS

Providing farmers with their identification needs for over 20 years, Z Tags products include visual tags, radio frequency identification tags and innovative applicators that make tagging livestock easy, safe and compliant.

[ztags.com](http://ztags.com)

## **Speedrite™** DATAMARS

From incredibly powerful mains energizers to a complete range of integrated electric fence solar energizers, Speedrite products offer a seriously unbeatable combination of power, usability, portability and value that take performance to a whole new level.

[speedrite.com](http://speedrite.com)

## **HAYES™**

Proudly made in New Zealand, Hayes tools are found hard at work, up and down the country. Products bearing the Hayes' name are built to last, with no compromise on quality and durability.

[hayesfencing.com](http://hayesfencing.com)

## **Prattley**

Prattley has enjoyed a partnership with Tru-Test products over the last decade to bring quality drafting solutions to the Australian sheep industry.

[prattley.co.nz](http://prattley.co.nz)

## **njphillips™** DATAMARS

NJ Phillips products have been in the market for over 90 years, serving both the animal health and horticulture industries. Accuracy, quality and ease of use are hallmarks of NJ Phillips products - you can trust our products to perform under the many different conditions they will be required to perform under.

[njphillips.com](http://njphillips.com)

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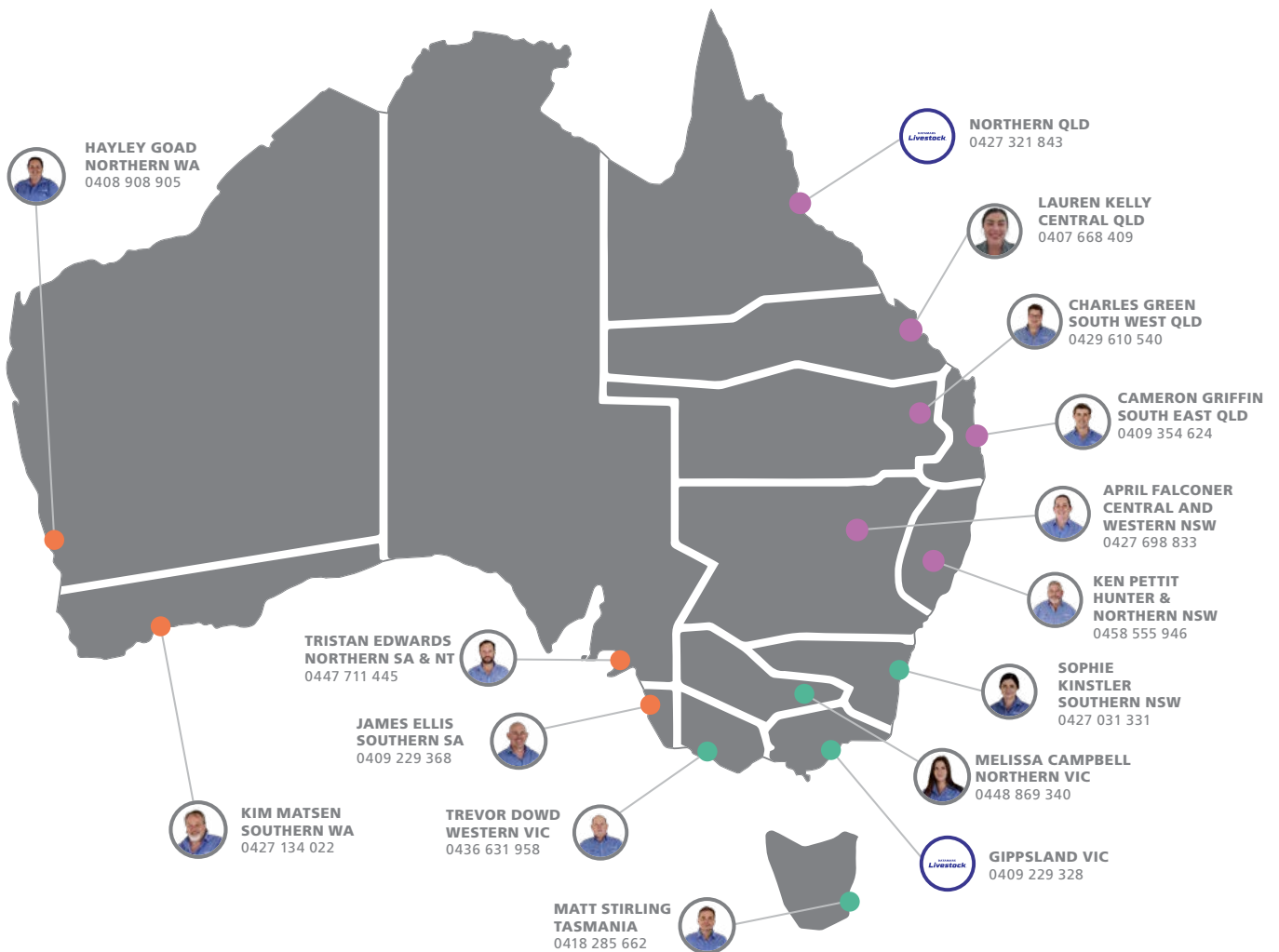


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