



AGRICULTURAL  
ELECTRIC FENCING  
PRODUCTS



**JVA** is a dynamic young company formed out of a partnership between Australian and South African Electric Fence professionals. Established in 2007, JVA Technologies Pty Ltd is based in Queensland Australia. JVA is focused on delivering good value, high quality Electrified Fencing components by leveraging our many years of marketing, design and manufacturing experience from both sides of the Indian Ocean. Our aim is to deliver an exceptional value proposition made universally available via the World Wide Web, backed with local service.

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# Electric Fence Energisers

JVA's range of electric fence energisers were designed for the Australian environment by Australian engineers. Years of design and research have gone into making these as powerful, safe and reliable as possible.

If you ever need help with your energiser, we can give you access to speak directly to the team of engineers that designed your energiser. Now that is support!

NOTE: If you are comparing brands, compare the output pulse energy in Joules. Ratings in km can be misleading.



## Solar Energisers

JVA offers a range of solar powered electric fence energisers which are ready to go straight out of the box! A reliable built-in rechargeable battery and integrated solar panel means JVA solar energisers are totally portable, without the need for extra batteries and hardware. Just slide the energiser onto any star picket, attach the fence and switch it on!



Available in 0.2 Joule (SV2) and 0.5 Joule (SV5) models.

### Features:

- Made in Australia
- Quality crystalline solar panel and internal battery
- Front panel on/off switch and LED pulse indicator
- Low battery indication
- Large easy to use fence terminals
- Easy mounting on top of a star picket or U-bolt to a pole
- Sealed for ant & moisture protection
- LCD shows fence voltage, stored energy and battery voltage\*
- Auto-Sync™ technology for safer fences\*

\*Feature only available on the SV5

## Portable Energisers

Perfect for temporary electric fences, strip grazing, horse riding events, holding paddocks or just keeping fido out of the garden. These portable units are easy to use yet pack a kick big enough to hold your animals where you want them. These are the safest of electric fence energisers with output energy limited to a fraction of the maximum allowed by law.

JVA energisers have patented DC/DC inverter technology which minimises battery usage while increasing reliability.



### RSG1

- Integrated rechargeable battery
- Simple, safe and easy to set up
- Highly efficient and intelligent digital circuit
- Self resetting fuse
- Large fence connection terminals
- Charge it from your ute, truck, car or any mains socket
- Sealed and rugged, UV stable enclosure



### PET100

- Incredibly small for ultimate portability
- 12V DC, mains or solar<sup>1</sup> powered
- Reverse battery protection
- Highly efficient and intelligent digital circuit
- Power surge protection
- Low Battery Warning
- Sealed and rugged, UV stable enclosure
- Easily stored in your glove box

<sup>1</sup>Solar panel not included



## Mains Energisers

Powered by 240Vac, these safety approved energisers are simply great value and give you plenty of "bang for your buck". Experts say for permanent fencing always use a mains energiser if you have 240V available. Put these energisers in the shed and run the high voltage out to the fence using EHT lead out cable.



Available in 1.5 Joule (M1.5) and 3 Joule (M3.0) models.

### Features:

- Easy mains operation
- LED Energiser and Fence status indicators
- Large easy to use fence terminals
- Sealed for ant & moisture protection
- Lightning Protection\*
- Easy wall mounting on 2 screws
- Approved to Australian Safety Standards

\*We recommend installing an external Lightning Diverter (see page 17) for added protection

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## Mains / Battery Energisers

Mains / Battery or "Universal" powered energisers are a great option if you are not sure that you will always have 240V available. If versatility is what you need these are the best choice. They are built to the same safety standards as the mains units and are powerful, safe and reliable.

These units certainly make no sacrifices for their versatility. In fact, they are even more powerful than the 240Vac mains units!



Available in 4.5 Joule (MB4.5), 8 Joule (MB8) and 12 Joule (MB12) models.

### Features:

- Mains or 12V DC operation
- LED Energiser and Fence status indicators
- Large easy to use fence terminals
- Sealed for ant & moisture protection
- Lightning Protection\*
- Battery leads with large clips
- Auto-Sync™ technology for safer fences<sup>1</sup>
- Bi-Polar or conventional output<sup>1</sup>

<sup>1</sup>Feature only available on the MB8 and MB12

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# Energiser Selection Table

	Model	Fence to Electrify	Power Supply	Peak Output Voltage	Stored Energy	Peak Output Energy
<b>Solar Energisers</b>						
	SV2	Up to 2 km	Solar	6.4 kV	140 mJ	96 mJ
	SV5	Up to 5 km	Solar	7.5 kV	750 mJ	500 mJ
<b>Portable Energisers</b>						
	RSG1	Up to 1 km	Internal Rechargeable Battery or 12 V DC	9.2 kV	100 mJ	80 mJ
	PET100	Up to 2 km	12 V DC	10 kV	200 mJ	110 mJ
<b>Mains / Battery Energisers</b>						
	MB4.5	Up to 45 km	12 - 24 V DC or 240 V AC (via plug pack*)	8.6 kV	6.6 J	4.5 J
	MB8	Up to 80 km	12 - 24 V DC or 240 V AC (via plug pack*)	8.2 kV	11 J	8 J
	MB12	Up to 120 km	12 - 24 V DC or 240 V AC (via plug pack*)	8.1 kV	17 J	12 J
<b>Mains Energisers</b>						
	M1.5	Up to 15 km	240 V AC Mains	8.0 kV	3.3 J	3.0 J
	M3.0	Up to 30 km	240 V AC Mains	8.0 kV	1.6 J	1.5 J

\*AC plug pack is included



# Security Products

JVA Technologies (Australia), in partnership with Ndlovu Fencing (South Africa), has drawn on over 30 years experience in some of the worlds most testing security markets to produce a product range to satisfy the needs of the worlds security electric fencing markets. Ranging from simple domestic requirements, to high security government and industrial installations.



The Z Series of security electric fence energisers provide the power and intelligence to run a security electric fence from the smallest domestic installation up to a multi-zone industrial site. For many domestic residences in South Africa this is the only alarm system they will rely on.

The Z Series may be connected to a building alarm or access control system. They may also be synchronized and networked.

# Security Software

**Perimeter Patrol™** adds PC connectivity, communications and control to your security electric fence, giving you the peace of mind that comes from being able to check that your fence is working wherever you are.

Three versions of **Perimeter Patrol** are currently available:

- Perimeter Patrol Lite (free to download)
- Perimeter Patrol ZM (available with all ZM Series products)
- Perimeter Patrol Pro 4.x



Feature	Lite	ZM	Pro 4.x
View & Control Energiser Zones <sup>1</sup>	Yes	No	Yes
View & Control Zone Monitors	No	Yes	Yes
Support Multiple Sectors Per Zone <sup>2</sup>	No	Yes	Yes
Map-Oriented Zone Mimic Screen	Yes	Yes	Yes
Automatically Control on Schedule	Yes	Yes	Yes
Alarm Display and Sound	Yes	Yes	Yes
Email on Alarm	Yes	Yes	Yes
Ethernet (TCP/IP) Communication Mode	No	Yes	Yes
Serial Communication Mode	Yes	Yes	Yes
User Authentication	No	Yes	Yes
Full Screen Mode Preventing Access to Other Applications	No	Yes	Yes
Event Logging with Viewer and Automatic Archival	No	Yes	Yes
Software Keypad	No	Yes	Yes
Administrator's Full System Controller	No	Yes	Yes

<sup>1</sup> Depending on the market, either any energiser from the Pakton PTE1000 range, or any energiser from the JVA Z-series range, excluding Zone Monitors. <sup>2</sup> At the time of writing, the JVA ZM20 is the only product that supports multiple sectors per zone. A zone is defined as a section of fence powered by a single energiser. A sector is defined as a sub-section of that fence. The ZM20 supports up to 20 sectors per zone. Where a single energiser is powering a large zone, having multiple sectors can help in locating a fault more precisely.



# Speciality Accessories

JVA has a great range of electric fence accessories to go with our energisers, all of which are very high quality and backed by local support.



## Fault Finder

If the JVA Fault Finder looks familiar it is because it is made by Pakton, the people who invented the directional fault finder. This latest generation fault finder is rugged and reliable and proudly made in Australia. Simple to use and easy to carry, a must for anyone who has a permanent electric fence.

### Features:

- Made in Australia
- Water proof
- Integrated (removable) belt clip
- Long lasting 9V battery
- Fingers are kept away from high voltage
- Bright red LED direction arrows
- One touch operation - Simple to use
- Clear indications of the direction of the fault
- Digital LCD readout shows fence voltage and current
- No wires, no clips: means no tangles and no shocks



## Beeper

The JVA Electric Fence Beeper is a novel device which simply beeps when in close proximity to an electric fence wire.

Depending on the fence voltage, it will beep when placed about 20cm away from the live wire. The Beeper's small size makes it great for the ute, bike, truck or just on your key ring!



## Lightning Diverter

Protects your energiser against damage from lightning surges coming in from the fence! More than just a cheap spark gap this is a true multi-stage lightning diverter designed by an expert in lightning and electric fences. If you have ever had an energiser blown by lightning this is cheap insurance against major damage.

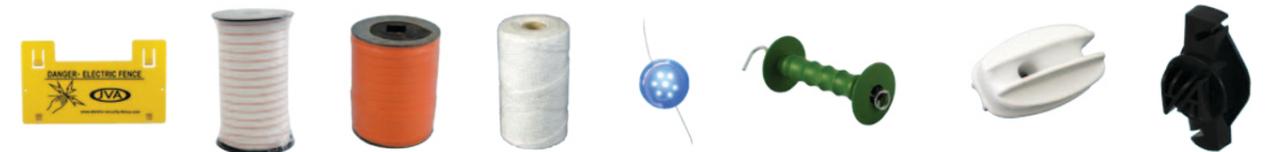
### Features:

- 3 Stage protection (better than a simple spark gap)
- Simple to install
- No separate earth required
- Rated to 3000 Amps
- Laboratory Tested



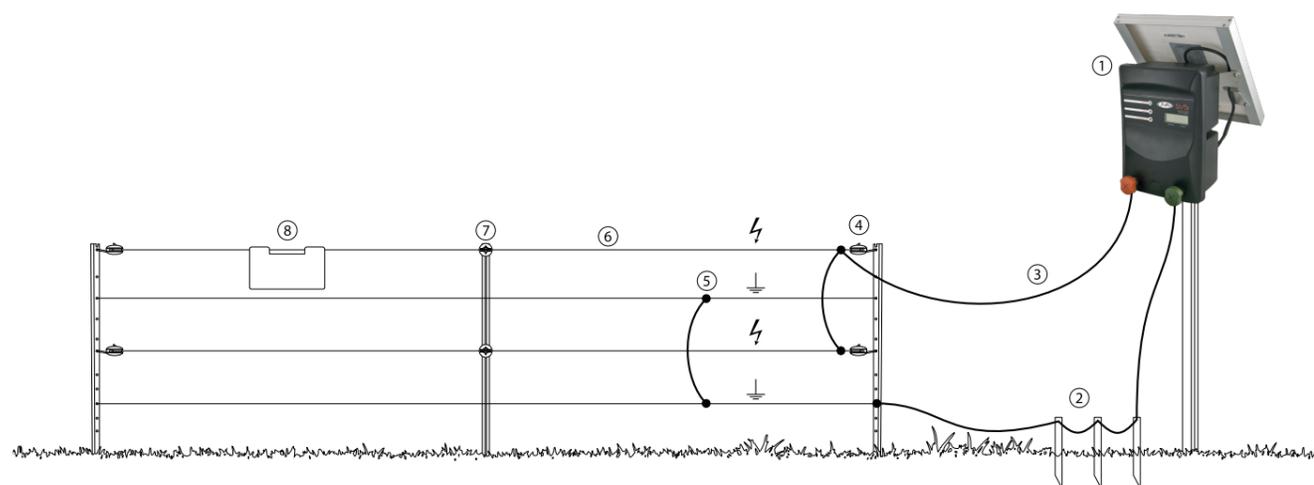
## Fence Hardware

JVA has a great range of insulators and all the other bits and pieces required to complete your electric fence. Most of our hardware is proudly made in South Africa, and all of our hardware is great quality and good value.





## Fence Design



### Typical fence components:

1. Electric Fence Energiser (Solar, Portable, Mains or Mains/Battery units) See pages 6-9
2. Earth stakes
3. Double insulated EHT lead out cable (also known as "under ground" or "under gate" cable)
4. Strain Insulators
5. Line Clamps
6. Live wire, poltape or poliwire
7. Pin Lock insulators for "star" pickets
8. Warning sign

## Equine

JVA has electric fence solutions designed to keep your horses safe and secure. We understand that your horses are a large investment both monetarily and emotionally.

The **JVA Z14R Security Energiser** brings the latest technology from the security electric fencing industry for ultimate peace-of-mind. It features constant fence monitoring, with siren and strobe outputs to alert you to any threat to the safety or security of your horses, whether it be a simple short circuit or something more serious.

The **JVA RSG1 Portable Energiser** is ideal for quick, temporary fence applications. It has an internal rechargeable battery so you can quickly and easily set up a containment fence just about anywhere; a perfect energiser for that temporary fence at home or a quick fence for events. It can be charged from a wall socket or a car (just like your mobile phone) so keeping it charged and ready for action is never an issue.

JVA also supplies a range of high quality electric fence hardware just for horses!



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DEALER

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