

30 years of designing and manufacturing innovative electric fencing solutions



## ANIMAL MANAGEMENT

# ELECTRIC FENCING PRODUCTS THAT DELIVER PEACE OF MIND





and them





# introduction

The Nemtek group is a globally known and well-respected company manufacturing a full range of energizers and fencing hardware. With our pioneering products, we have become the benchmark for the electric fencing industry and the products of choice.

Our success has been achieved by:

- Our continuous innovation, resulting in unique, trailblazing and often patented products and technologies
- The reliability and efficiency of Nemtek products
- Our fast response to the ever-changing market and customer needs
- Our unparalleled customer service and the continuous support and close working relationships we have with our customers

This brochure offers you an overview of the electric fencing products that we design and manufacture for the Agricultural, Equine and Pet, and game markets, which include a comprehensive range of energizers and a complete range of fencing hardware. We have products that can reliably address many types of fencing needs, ranging from small enclosures to large farms and game reserves.

Our unbeatable experience in the security field has revolutionised the design of game and animal farm energizers. The energizers now offer security features and communication capabilities, to not only keep animals in, but to also effectively control the theft and injury of animals by poachers and predators.

For more details and information on our products, visit www.nemtek.com

## THE REASONS FOR USING AN ELECTRIC FENCE

A high-voltage shock with a physical barrier will deter animals from leaving a controlled environment and venturing out. Wild animal and vermin movement can also be controlled by either keeping them inside a controlled area or outside and separate from another group of animals.

Electric fencing is more affordable than most conventional and traditional barriers in controlling animals and is easily transported. The shock also keeps the animals away from the fence, reducing damage to the fence. Portable fences can be erected quickly, and smaller areas can be demarcated for grazing rotations.

## **NEMTEK SERVICE SUPPORT**

Nemtek offers support and advice for customers' animal management security needs, including expert advice on the design of your fence and choice of hardware and electronics.

The Nemtek Training Academy also offers relevant animal management training. For any advice, enquiries or training information, please email **websales@nemtek.com** 

# agriculture

Nemtek's extensive range of quality and innovative agricultural electric fencing products helps ensure the safety and wellbeing of your animals.

Nemtek's agricultural energizers are designed to suit the needs of various property sizes, from small hobby farms, larger farming properties, stud and cattle farms, to larger stations. The Nemtek range of products is robustly designed and manufactured from top quality materials to ensure longevity and peak performance.

The agricultural range of fencing products will help keep your animals safe and secure, providing you with peace of mind.



# equine and pet

Nemtek's wide range of equine products is specifically designed and manufactured for any type of equine farm, taking into consideration the safety and wellbeing of your horses.

The state-of-the-art PetStop kit is designed to keep animals away from flowerbeds, veggie patches and refuse areas. It also acts as a barrier to protect your pet from other animals and helps to ensure a safe environment.

Both ranges of fencing products will withstand the elements due to the robust designs and top quality materials used to manufacture these products.

The equine and pet ranges of products will keep your animals safe and secure, providing you with peace of mind.

# game

Nemtek's experience in the security field has revolutionised the way game farm and animal farm energizers are designed. Not only does Nemtek keep animals safely enclosed, but we also offer security experience and communication techniques to combat the theft of animals by poachers.

Our fence monitors detect a break in the fence, allowing you to monitor the condition of the fence at the energizer without having to regularly patrol the fence, and the audible alarm can assist with combatting poaching.



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#### **GENERAL INFORMATION**

#### WARRANTIES

**FENCING TOOLS** 

Energizer electronics come with a two-year warranty, subject to our standard terms and conditions as set out on the Nemtek website.

#### COMPLIANCE

Nemtek energizers and products conform to the standards set out by the IEC 60355-2-76, CISPR 14 and EN 6100. Please refer to the energizer section of the Nemtek website for more details (www.nemtek.com).

#### **SPE**CIFICATIONS

Product details can change without prior notice. This brochure is for general information and marketing purposes only Performance information is affected by component tolerances and settings. Variations are normal.

#### **TERMS AND CONDITIONS OF SALE**

Sales of all Nemtek products are done subject to our standard terms and conditions of sale and our distribution agreements. Nemtek terms and conditions of sale are available at all Nemtek branches.

Authorised distributors and representative offices are available around the world. Please contact us at exports1@nemtek.co.za for further information.

#### TRAINING COURSES

Nemtek offers training courses for beginners and advanced training on the principles of electric fencing, as well as training on all the products that it manufactures.

# **ENERGIZERS** ENERGIZER: MAINS OR BATTERY

These Agri energizers can be powered with a battery or by mains, making them convenient and adaptable depending on your needs. Most of the energizers use Nemtek Adaptive Power Technology (APT), which ensures maximum power is delivered to the electric fence, while minimising power losses along the fence line. With APT, the energizer responds to changing environmental factors (such as changes in weather and vegetation growth on the fence) and adapts to the changing needs of the fence by maximising fence power and efficiency.



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## PET 3KM (AE-A/PET) 🔣 🕥 🛃

The Pet energizer is designed to keep pets out of specific areas such as flowerbeds, vegetable gardens and refuse areas:

- Powers up to 3km (optimal conditions) and 1km (average conditions) of fence wire\*
- Robust weather-resistant system
- Adaptable mounting options (wall, fence wire, wooden post, tread-in post)
- Output energy max 0.3J (stored energy 0.5J)
- Powered by battery or mains power adaptor (included)
- Lightning protection
- A solar panel PetStop kit is also available (see page 17)

**ENERGIZER ACCESSORIES:** OINCLUDED ONOT INCLUDED





### AGRI 5KM (AE-A005J)

- Powers up to 5km (optimal conditions) and 2km (average conditions) of fence wire\*
- Robust weather-resistant system
- Battery charge state indicator
- Energizer overload indicator
- Day/night sensor
- Output energy max 0.5J (stored energy 0.8J)
- Powered by battery or mains power adaptor (included)
- Adaptable mounting options (wall, fence wire, wooden post, tread-in post)
- Lightning protection
- Many programmable options via the LCD handheld programmer (optional accessory) including adjustment of fence voltage and pulse rate, independent day/night setting, battery voltage reporting and fence performance monitoring

**ENERGIZER ACCESSORIES:** OINCLUDED ONOT INCLUDED







adaptor 12VDC

Energizer connector clips

LCD energizer programmer

Agri tread-in post





## AGRI 10KM (AE-A010J) 🔣 🕥 😭 🛃 🎲 🔚

- Powers up to 10km (optimal conditions) and 4km (average conditions) of fence wire\*
- Robust weather-resistant system
- Battery charge state indicator
- Energizer overload indicator
- Day/night sensor
- Output energy max 1J (stored energy 1.65J)
- Powered by battery or mains power adaptor (included)
- Adaptable mounting options (wall, fence wire, wooden post, tread-in post)
- Lightning protection

**ENERGIZER ACCESSORIES:** OINCLUDED ONOT INCLUDED

Many programmable options via the LCD handheld programmer (optional accessory) including adjustment of fence voltage and pulse rate, independent day/night setting, battery voltage reporting and fence performance monitoring



#### Mains power adaptor 12VDC AGRI 20KM (AE-A020J) 🗶 💕 😭 🖓 🎲 🦙 🐄 🐖 🦛 🕵 🔏

Powers up to 20km (optimal conditions) and 6km (average conditions) of fence wire\*

Energizer

connector clips

LCD energizer

programmer

Agri tread-in

post

- Robust weather-resistant system
- Battery charge state indicator
- Energizer overload indicator
- Day/night sensor

3.3J

- Output energy max 2J (stored energy 3.3J)
- Powered by battery or mains power adaptor (included)
- Adaptable mounting options (wall, fence wire, wooden post, tread-in post)
- Lightning protection
- Many programmable options via the LCD handheld programmer (optional accessory) including adjustment of fence voltage and pulse rate, independent day/night setting, battery voltage reporting and fence performance monitoring

**ENERGIZER ACCESSORIES:** 

◯ INCLUDED ◯ NOT INCLUDED





#### EQUINE 20KM (AE-A/EQ)

- Powers up to 20km (optimal conditions) and 6km (average conditions) of fence wire\*
- Robust weather-resistant system
- Battery charge state indicator
- Energizer overload indicator
- Day/night sensor
- Output energy max 2J (stored energy 3.3J)
- Powered by battery or mains power adaptor (included)
- Adaptable mounting options (wall, fence wire, wooden post, tread-in post)
- Lightning protection
- Includes LCD handheld programmer to programme and monitor energizer functions, such as adjustment of fence voltage and pulse rate, independent day/night setting, battery voltage reporting and fence performance monitoring

adaptor 12VDC

**ENERGIZER ACCESSORIES:** ○ INCLUDED ○ NOT INCLUDED





connector clips



I CD energizer

programmer



post



# AGRI 30KM (AE-A030J) 🔣 💕 😭 🛃 🎲 🔚 🐂 😭 🚾 💽

- Powers up to 30km (optimal conditions) and 9km (average conditions) of fence wire\*
- Robust weather-resistant system
- Battery charge state indicator
- Easy-to-use tag included to switch energizer on and off
- Energizer overload indicator
- Day/night sensor
- Output energy max 3J (stored energy 4.4J)
- Powered by battery (sold separately) or mains power adaptor (included)
- Adaptable mounting options (wall, fence wire, wooden post and also slides onto Y-picket post)
- Lightning protection
- Many programmable options via the LCD handheld programmer (optional accessory) including adjustment of fence voltage and pulse rate, independent day/night setting, battery voltage reporting and fence performance monitoring

**ENERGIZER ACCESSORIES:** OINCLUDED ONOT INCLUDED







#### AGRI 50KM (AE-A050J)

- Powers up to 50km (optimal conditions) and 15km (average conditions) of fence wire\*
- Robust weather-resistant system
- Battery charge state indicator
- Easy-to-use tag included to switch energizer on and off
- Energizer overload indicator
- Day/night sensor
- Output energy max 4.6J (stored energy 6.5J)
- Powered by battery (sold separately) or mains power adaptor (included)
- Adaptable mounting options (wall, fence wire, wooden post and slides onto Y-picket post)
- Lightning protection
- Many programmable options via the LCD handheld programmer (optional accessory) including adjustment of fence voltage and pulse rate, independent day/night setting, battery voltage reporting and fence performance monitoring

**ENERGIZER ACCESSORIES:** OINCLUDED ONOT INCLUDED







\* The distances that can be powered are a guideline only and apply to optimal fence conditions. Factors such as the resistance of the fence wire, the type of fence wire, the installation of the fence, the proximity of the live fence wire to other earth wires, the amount of vegetation touching the fence and earthing of the fence system will influence the distance that can be powered. For more information, please refer to www.nemtek.com





## AGRI 80KM (AE-AGRI80)

## 

- Powers up to 80km (optimal conditions) and 24km (average conditions) of fence wire\*
- Robust weather-resistant system with lightning protection
- Easy-to-use tag included to switch energizer on and off
- Output energy max 8J (stored energy 10J)
- Powered by mains adaptor or solar with battery using additional solar conversion kit (sold separately)
- Bluetooth programmable via the Nemtek Connect app: programmes and monitors features like adjustable fence voltage and pulse rate, adjustable energizer fence overload indicator and alarm, accurate battery and fence voltage reporting, battery type selection, safety level control and battery saving modes

#### ENERGIZER ACCESSORIES:

OINCLUDED ONOT INCLUDED



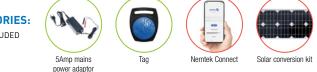


#### AGRI 150KM (AE-AGRI150)

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- Powers up to 150km (optimal conditions) and 42km (average conditions) of fence wire\*
- Robust weather-resistant system with lightning protection
- Easy-to-use tag included to switch energizer on and off
- Output energy max 15J (stored energy 20J)
- Powered by mains adaptor or solar with battery using additional solar conversion kit (sold separately)
- Bluetooth programmable via the Nemtek Connect app: programmes and monitors features like adjustable fence voltage and pulse rate, adjustable energizer fence overload indicator and alarm, accurate battery and fence voltage reporting, battery type selection, safety level control and battery saving modes

## ENERGIZER ACCESSORIES:





### AGRI 200KM (AE-AGRI200)

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- Powers up to 200km (optimal conditions) and 56km (average conditions) of fence wire\*
- Robust weather-resistant system with lightning protection
- Easy-to-use tag included to switch energizer on and off
- Output energy max 20J (stored energy 29J)
- Powered by mains adaptor or solar with battery using additional solar conversion kit (sold separately)
- Bluetooth programmable via the Nemtek Connect app: programmes and monitors features like adjustable fence voltage and pulse rate, adjustable energizer fence overload indicator and alarm, accurate battery and fence voltage reporting, battery type selection, safety level control and battery saving modes

**RT-APT:** Real-time Adaptive Power Technology offers advanced safety features for high-powered energizers to detect anomalies instantly.







Nemtek Connect



5Amp mains power adaptor

Solar conversion kit

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## **ENERGIZER: MAINS WITH BATTERY BACK-UP OR SOLAR**

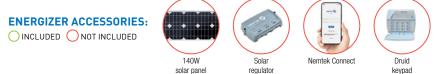
The Druid 114 LCD single zone energizer is the ideal choice for long-distance, parallel electric fencing systems that require monitoring, such as game farms, animal parks, cattle farms and nature reserves. This energizer is ideal for controlling game and wild animals, such as elephants, lions, tigers, rhino, buffalo, bears, warthogs, hippos, buck and deer.

Using the Adaptive Power Technology (APT), pioneered by Nemtek, this energizer offers a new and unique method in detecting how much power a fence can accept and handle before it starts to arc and waste energy, thus maximising the power on the fence.



#### DRUID 114 (E-DRUID/114/LCD) 🖙 🐂 🐄 🕼 🕼 🖝 🗗 🚮 🚮 📝 🚺 🗗

- Large energizer powers up to 130km (optimal conditions) and 40km (average conditions) of fence wire\*
- Ideal choice for long fences that require monitoring
- Built-in alarm that sounds if there is fence tampering or a fence fault
- LCD display makes information quick and easy to read
- Easy-to-use tag included to switch energizer on and off
- Output energy max 13.8J (stored energy 21J)
- Powered by 220V mains and includes built-in battery for back-up power
- 140 watt solar panels and external 12V 140 watt Nemtek regulator with a larger 100Ah battery that can be added when mains power is not available (not included)
- Adaptable mounting options (wall or enclosure)
- Lightning protection
- The energizer can also be programmed and controlled remotely by adding up to two Druid keypads (EE.DR.LCD/KP)



\* The distances that can be powered are a guideline only and apply to optimal fence conditions. Factors such as the resistance of the fence wire, the type of fence wire, the installation of the fence, proximity of the live fence wire to other earth wires, the amount of vegetation touching the fence and earthing of the fence system will influence the distance that can be powered. For more information, please refer to www.nemtek.com



## **ENERGIZER: SOLAR WITH INTERNAL BATTERY**

The Agri solar energizers include an attached large solar panel and a built-in environmentally friendly Lithium Iron battery (LiFePo4). The environmentally friendly battery offers a much longer life span than traditional lead-acid batteries. These Agri solar energizers with the advanced battery technology are ready to use and easy to install. They are used for small distance fences (only SB Range).



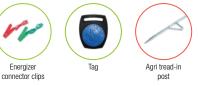


## AGRI 1 SOLAR (AE-SB001) 🔣 💕 😭 🔂 🎲

- Powers up to 1km (optimal conditions) and 0.4km (average conditions) of fence wire\*
- Large 5W solar panel for quick charge
- Robust solar bracket and weather-resistant housing
- Easy-to-use tag to switch energizer on and off and to toggle between high and low voltage
- Output energy max 0.1J (stored energy 0.125J)
- Battery charge state indicator
- Solar panel charge state indicator
- Deep sleep mode for battery safe-mode storage
- Day/night sensor
- Y-picket mounting
- Lightning protection

### ENERGIZER ACCESSORIES:

OINCLUDED ONOT INCLUDED







## AGRI 3 SOLAR (AE-SB003)

- Powers up to 3km (optimal conditions) and 1.0km (average conditions) of fence wire\*
- Large 5W solar panel for quick charge
- Robust solar bracket and weather-resistant housing
- Easy-to-use tag to switch energizer on and off and to toggle between high and low voltage
- Output energy max 0.26J (stored energy 0.33J)
- Battery charge state indicator
- Solar panel charge state indicator
- Deep sleep mode for battery safe-mode storage
- Day/night sensor
- Y-picket mounting
- Lightning protection

#### **ENERGIZER ACCESSORIES:**

OINCLUDED ONOT INCLUDED







## AGRI 5 SOLAR (AE-SB005) 🔝 💓 😭 😥 🎲 😭 😭

- Powers up to 5km (optimal conditions) and 2km (average conditions) of fence wire\*
- Large 10W solar panel for quick charge
- Robust solar bracket and weather-resistant housing
- Easy-to-use tag to switch energizer on and off and to toggle between high and low voltage
- Output energy max 0.47J (stored energy 0.55J)
- Battery charge state indicator
- Solar panel charge state indicator
- Deep sleep mode for battery safe-mode storage
- Day/night sensor
- Adaptable mounting options (wall, fence wire, wooden post, tread-in post)
- Lightning protection

ENERGIZER ACCESSORIES:

OINCLUDED ONOT INCLUDED

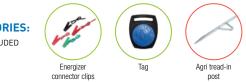




## AGRI 8 SOLAR (AE-SBOOR) 🛃 🕥 😭 🔁 💽 🔚 🔚 🖬

- Powers up to 8km (optimal conditions) and 3km (average conditions) of fence wire\*
- Large 10W solar panel for quick charge
- Robust solar bracket and weather-resistant housing
- Easy-to-use tag to switch energizer on and off and to toggle between high and low voltage
- Output energy max 0.68J (stored energy 0.825J)
- Battery charge state indicator
- Solar panel charge state indicator
- Deep sleep mode for battery safe-mode storage
- Day/night sensor
- Adaptable mounting options (wall, fence wire, wooden post, tread-in post)
- Lightning protection

# ENERGIZER ACCESSORIES:







## **ENERGIZER: SOLAR AND EXTERNAL BATTERY**

This Agri solar range of energizers includes a solar panel, which is used to charge a battery during the day to power the energizer. Solar panels are usually provided with a separate solar regulator, but the Nemtek Agri solar range of energizers has a built-in solar regulator. This makes the energizer more portable and makes connecting of the energizer easier. The built-in regulator has a smart management system to maximise battery life and ensure efficient power management to the fence. These energizers also come with built-in polarity protection for the battery and the solar system to protect them in the event of an incorrect connection. The energizers use Nemtek Adaptive Power Technology (APT), which ensures maximum power is delivered to the electric fence, while minimising power losses along the fence line. With APT the energizer responds to changing environmental factors (such as changes in weather and vegetation growth on the fence) and adapts the changing needs of the fence to maximise fence power and efficiency.





- Powers up to 10km (optimal conditions) and 4km (average conditions) of fence wire\*
- Robust weather-resistant system
- Easy-to-use tag to switch energizer on and off
- Battery charge state indicator
- Energizer overload indicator
- Output energy max 1J (stored energy 1.4J)
- Powered by 10 watt solar panel (included) and a minimum of a 12Ah battery (sold separately)
- Built-in solar regulator with power management system for easier connection and portability
- Built-in battery polarity protection
- Day/night sensor
- Adaptable mounting options (wall, fence wire, wooden post, tread-in post)
- Lightning protection
- Many programmable options via the LCD handheld programmer (optional accessory) including adjustment of fence voltage and pulse rate, independent day/night setting, battery voltage reporting and fence performance monitoring

ENERGIZER ACCESSORIES:



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## AGRI 25 SOLAR (AE-S025)



- Powers up to 25km (optimal conditions) and 8km (average conditions) of fence wire\*
- Robust weather-resistant system
- Easy-to-use tag to switch energizer on and off
- Battery charge state indicator
- Energizer overload indicator
- Output energy max 2.3J (stored energy 3.1J)
- Powered by 20 watt solar panel (included) and a minimum of a 28Ah battery (sold separately)
- Built-in solar regulator with power management system for easier connection and portability
- Built-in battery polarity protection
- Day/night sensor
- Adaptable mounting options (wall, fence wire, wooden post, tread-in post)
- Lightning protection
- Many programmable options via the LCD handheld programmer (optional accessory) including adjustment of fence voltage and pulse rate, independent day/night setting, battery voltage reporting and fence performance monitoring

ENERGIZER ACCESSORIES:

OINCLUDED ONOT INCLUDED





#### AGRI 50 SOLAR (AE-S050)

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- Powers up to 50km (optimal conditions) and 15km (average conditions) of fence wire\*
- Robust weather-resistant system
- Easy-to-use tag to switch energizer on and off
- Battery charge state indicator
- Energizer overload indicator
- Output energy max 4.6J (stored energy 6.5J)
  - Powered by a 45 watt solar panel (included) with a minimum of
- a 50Ah Lead Acid (AGM), 12VDC or 30Ah LiFePo4 12VDC battery (sold separately)
  Built-in solar regulator with power management system for
- easier connection and portability
- Built-in battery polarity protection
- Day/night sensor
- Angle-adjustable solar mounting bracket included (mounting pole not included)
- Adaptable mounting options (wall, fence wire, wooden post, tread-in post)
- Lightning protection
- Many programmable options via the LCD handheld programmer (optional accessory) including adjustment of fence voltage and pulse rate, independent day/night setting, battery voltage

reporting and fence performance monitoring

ENERGIZER ACCESSORIES:



LCD energizer

programmer



## **ENERGIZER ACCESSORIES**

#### MAINS POWER ADAPTOR 12VDC

- 1.5Amp (AEE-A/CHR, AEE-A/CHR/AU) or 5Amp (AEE-A/CHR5)
- 240V charger for energizers
- Plugs into energizer and mains 240V when available
- European and Australian plugs

#### AGRI ENERGIZER TREAD-IN POST (AA-AETP)

The tread-in post holds the Agri energizers off the ground and can also be used as an earth spike. It is mostly used in temporary and portable fencing environments.

- The curved handle is used to push the tread-in post into the ground and remove the post from the ground
- Hot-dip galvanised so it can be used as an earth spike
- Fits and supports all Nemtek portable energizers
- Robust construction for multiple uses and a long life

#### **ENERGIZER CONNECTOR CLIPS**

- Insulated battery clips with leads (black and red pair) (AEE-CL/BR)
- Insulated fence clips with leads (green and red pair) (AEE-CL/GR)

#### LCD ENERGIZER PROGRAMMER (AE-A/KCREM)

The Agri energizers can also be programmed and have their power and efficiency levels monitored using the LCD energizer programmer. This programmer allows you to perform and monitor a number of fence functions when you use it with the energizer. Some of the functions that can be monitored or programmed using the programmer are:

- Adjusting fence voltage
- Adjusting pulse rate
- Independent day/night setting of fence voltage and pulse rate
- Fence voltage control that can be switched between conventional and APT methods
- Adjusting energizer overload warning threshold
- Accurate battery voltage reporting
- Nemtek security lock energizer theft deterrent
- Memory of lowest-recorded fence voltage
- Memory of highest-recorded energizer effort



#### TAG (EE-WIZ4/MAGNET)

- Switches the energizer on and off
- Fits onto a keyring
- Included and used with the
  - AGRI 30, 50, 80, 150 and 200 mains or battery energizers
  - AGRI SOLAR 1, 3, 5 and 8 energizers with internal battery
  - AGRI SOLAR 10, 25 and 50 with external battery
  - DRUID 114 mains energizer with battery back-up or solar





# **ENERGIZER SELECTION TABLE**

			MA	INS AND BA	ITERY					
MODEL	PET	Agri 5	Agri 10	Agri 20	Equine 20	Agri 30	Agri 50	Agri 80	Agri 150	Agri 200
Product code	AE-A/PET	AE-A005J	AE-A010J	AE-A020J	AE-A/EQ	AE-A030J	AE-A050J	AE- AGRI80	AE- AGRI150	AE- AGRI200
Fence-wire length (optimal conditions)	3km	5km/ 7 acres/ 2.8ha	10km/ 16 acres/ 6.4ha	20km/ 32 acres/ 12.8ha	20km/ 32 acres/ 12.8ha	30km/ 50 acres/ 20ha	50km/ 80 acres/ 32ha	80km/ 200 acres/ 80ha	150km/ 375 acres/ 150ha	200km/ 500 acres/ 200ha
Fence-wire length (average conditions)	1km	2km/ 2.8 acres/ 1.2ha	4km/ 7 acres/ 2.6ha	6km/ 19 acres/ 4ha	6km/ 19 acres/ 4ha	9km/ 15 acres/ 6ha	15km/ 24 acres/ 10ha	24km/ 55 acres/ 22ha	42km/ 75 acres/ 30ha	56km/ 118 acres/ 46ha
Stored energy (Joules)	0.5J	0.8J	1.65J	3.3J	3.3J	4.4J	6.5J	10J	20J	29J
Maximum output energy (Joules)	0.3J	0.5J	1.0J	2.0J	2.0J	3.0J	4.6J	8J	15J	20J
Voltage output circuit	7.5kV	8.5kV	9kV	9kV	9kV	9kV	9kV	9.7kV	8kV	9.5kV
Voltage output @ 1 000 Ω	4kV	4kV	6.5kV	6.5kV	6.5kV	8.5kV	8.5kV	9.7kV	8kV	9.5kV
APT included	No	Yes	Yes	Yes	Yes	Yes	Yes	RT-APT	RT-APT	RT-APT
Main power adaptor 12VDC	Included	Included	Included	Included						
Lead Acid (AGM) or LiFePo4 (Lithium) 12VDC battery (minimum recommended)	2.2Ah	12Ah AGM or 10Ah LiFePo4	12Ah AGM or 10Ah LiFePo4	12Ah AGM or 10Ah LiFePo4	12Ah AGM or 10Ah LiFePo4	28Ah AGM or 20Ah LiFePo4	50Ah AGM or 30Ah LiFePo4	100Ah AGM or 100Ah LiFeP04	2 x 100Ah AGM or 2 x 100Ah LiFeP04	2 x 100Ah AGM or 2 x 100Ah LiFeP04
Programmable	No	Optional remote	Optional remote	Optional remote	Remote included	Optional remote	Optional remote	Bluetooth	Bluetooth	Bluetooth
Keyring on/off tag	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes
Day/night sensor	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No
Mounting options	Wall, fence wire, wooden post, tread-in post	Wall, fence wire, wooden post, Y-picket post	Wall, fence wire, wooden post, Y-picket post	Wall mount or enclosure	Wall mount or enclosure	Wall mount or enclosure				
Internal lightning protection	Yes	Yes	Yes	Yes						

		SOLAR INTERNAL BATTERY SOLAR EXTERNAL BATTERY		SOLAR INTERNAL BATTERY		SOLAR EXTERNAL BATTERY			MAINS WITH BATTERY BACK-UP OR SOLAR
MODEL	Agri 1 Solar	Agri 3 Solar	Agri 5 Solar	Agri 8 Solar	Agri 10 Solar	Agri 25 Solar	Agri 50 Solar	Druid 114	
Product code	AE-SB001	AE-SB003	AE-SB005	AE-SB008	AE-S010	AE-S025	AE-S050	E-DRUID/ 114/LCD	
Fence-wire length (optimal conditions)	1km	3km	5km	8km	10km/16 acres/6.4ha	25km/40 acres/16ha	50km/80 acres/32ha	130km/200 acres/82ha	
Fence-wire length (average conditions)	0.4km	1km	2km	3km	4km/ 7 acres/2.6ha	8km/ 12 acres/5ha	15km/ 24 acres/10ha	40km/ 60 acres/25ha	
Stored energy (Joules)	0.12J	0.33J	0.55J	0.82J	1.4J	3.1J	6.5J	21J	
Maximum output energy (Joules)	0.1J	0.26J	0.47J	0.68J	1.0J	2.3J	4.6J	13.8J	
Voltage output circuit	7.1kV	10kV	12kV	12kV	8kV	9kV	9kV	9kV	
Voltage output @ 1 000 Ω	3.7kV	5kV	6kV	6.4kV	7.5kV	8.5kV	8.5kV	8.5kV	
APT included	No	No	No	No	Yes	Yes	Yes	Yes	
Solar panel size	5 watt	5 watt	10 watt	10 watt	10 watt	20 watt	45 watt	Can also be solar powered	
Battery	LiFe internal	LiFe internal	LiFe internal	LiFe internal	12Ah 28Ah 50Ah Battery (AGM) or LiFeP04 12VDC (minimum recommended)			Includes a 7Ah battery	
Remote LCD display energizer programmer	No	No	No	No	Optional	Optional	Optional	Keypad optional	
Keyring on/off tag	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Day/night sensor	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	
Mounting options	Wall, fence wire, wooden post, tread-in post	Wall, fence wire, wooden post, tread-in post	Y-picket post	Wall or cabinet type					
Internal lightning protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	

\* The distances that can be powered are a guideline only and apply to optimal fence conditions. Factors such as the resistance of the fence wire, the type of fence wire, the installation of the fence, the proximity of the live fence wire to other earth wires, the amount of vegetation touching the fence and earthing of the fence system will influence the distance that can be powered. For more information, please refer to www.nemtek.com.

# PET KIT PET STOP SOLAR POWERED KIT (AA-PET/KIT)

A complete user-friendly kit used to keep pets out of areas such as flowerbeds and refuse areas. The 24m kit is powered by a battery and solar panel. Accessories are available for larger fencing needs.





# **FENCE TESTERS**



## FENCE METER (TL-FM)

The Nemtek Fence Meter helps diagnose problems on your fence to optimise the electric fence installation and ensure that the fence operates at an ideal level.

#### **FEATURES:**

- Patented fence probe offers more accurate readings
- Quickly and easily locates faults along the fence line
- Large display for easy reading
- Displays current, voltage and direction of the fault
- Automatic energizer-polarity detection
- Lightweight with a convenient belt clip
- Slimline, rugged design with a water-resistant case
- Low battery warning
- Can be used with most energizers
- Optional pouch (TL-FMTP)



## FENCESCOPE MULTI TOOL (TL-FS)

The FenceScope is a 4-in-1 tool that helps diagnose problems on your fence to optimise the electric fence installation and ensure that the fence continues to operate at ideal levels.

#### **FEATURES:**

There are four operation modes to select from:

- Fence probe mode quickly indicates the direction of the fence fault, showing voltage and current
- Fence energy mode accurately measures the output energy along the fence (tests the size of the shock the animal will receive at any point along the fence by simulating the animal)
- Fence scope mode records and displays the waveforms of the electric fence pulse (distortions generally indicate the presence of fence faults)
- Fence noise mode shows the amount of electromagnetic interference generated by the fence or energizer (assists in finding cracked or broken insulators, sparks and shorts along the fence)
- Optional pouch (TL-FSTP)

## EASY FENCE TESTER (TL-EFT)

The frequency of the flashing LEDs will change as the voltage increases or decreases. The slower the flashing rate, the lower the voltage. The intensity of the light remains the same, so it can be seen from far irrespective of the fence voltage. It is installed between the earth and live wire to indicate the status and condition of the fence for peace of mind.

#### **FEATURES:**

- Includes clips to connect to wire or poly tape
- Indicates power on the fence
- Visible from up to 1km at night and 100m during the day
- No batteries required
- Uses minimal power from the fence
- Highly visible LEDs allow for a 160-degree viewing angle. This allows the light to shine into the secure area only
- Can operate from 0.9kV to 12kV
- Can be used with most electric fence energizers



# **INSULATOR RANGE** PORCELAIN INSULATORS

$\bigcirc$	<ul> <li>PORCELAIN BOBBIN INSULATOR (EI-BPFL, EI-BPFL10)</li> <li>Used on intermediate posts and offset brackets</li> <li>Fireproof and long lasting</li> <li>Large design to reduce power loss and arcing</li> <li>Suitable for long runs and can withstand high tension</li> </ul>	0
-	<ul> <li>PORCELAIN STRAIN INSULATOR (EI-STFP, EI-STFP10)</li> <li>Used to isolate wire from the corner post on opposite side of the tensioners</li> <li>Fireproof and long lasting</li> <li>Large design to reduce power loss and arcing</li> <li>Suitable for long runs and can withstand high tension</li> </ul>	
R B	<ul> <li>Y-PICKET FASTENER CLIP (AA-PIFC)</li> <li>Galvanised steel clip with nut and bolt (included)</li> <li>Fastens the tension bobbin and porcelain insulators on a Y-picket</li> <li>Easy installation</li> </ul>	

## **PLASTIC INSULATORS**

0	<ul> <li><b>TENSION BOBBIN INSULATOR</b></li> <li>Black (EI-BTL)</li> <li>Heavy-duty large insulator</li> <li>Used with offset bracket where fire is not a concern</li> </ul>	C
	ULTRA STRAIN INSULATOR • Black (EI-STB/R) or white (EI-STW/R) • Suitable for fences using up to 2.0mm wire • Operating tension of 25kg • Larger tracking distance to reduce power loss and arcing • Suitable for medium-tensioned fences	
	ULTRA HARDENED STRAIN INSULATOR • Black (EI-STB/R/H) or white (EI-STW/R/H) • Suitable for fences using up to 3.0mm wire • Operating tension of 140kg • Larger tracking distance to reduce arcing and power loss • Suitable for high-tensioned fences	
A MARINE AND A	<ul> <li>PICKET INSULATOR</li> <li>Black (EI-PI)</li> <li>Used with Nemtek Y-picket (for the Iscor Y-standard use the EI-YB insulator)</li> <li>Double tracking fin to reduce arcing</li> <li>Quick-fit design clip – easy to replace when required</li> </ul>	
	<ul> <li>Y-STANDARD INSULATOR</li> <li>Black (EI-YB) or white (EI-YW)</li> <li>Used with Iscor Y-standard (for the Nemtek Y-picket use the EI-PI insulator)</li> <li>Quick-fit design – easy to replace when required</li> </ul>	ALL AND A



A BE	<ul> <li>NAIL-ON INSULATOR</li> <li>Black (EI-NOB) or white (EI-NOW)</li> <li>Can be screwed or bolted onto metal brackets or wooden posts</li> <li>Large clips for heavy-duty applications with thicker wire</li> <li>Larger clearance to eliminate power leakage</li> <li>Easy to change and maintain</li> </ul>	
	<ul> <li>THICK WIRE AND ROPE INSULATOR</li> <li>Black (AI-TWRI/B) or white (AI-TWRI/W)</li> <li>Can be screwed or bolted onto metal brackets or wooden posts</li> <li>Can carry up to a 3mm poly wire and a 6mm poly rope</li> <li>Robust construction to minimise risk of breakage</li> <li>Heavy duty</li> </ul>	0
	<ul> <li>RING SCREW-ON INSULATOR 40mm</li> <li>Black (AI-RI40)</li> <li>Screw into a wooden post to offset wire from the post</li> <li>Large clearance to eliminate power leakage</li> <li>40mm arm</li> <li>Can be used with 6mm steel wire or poly wire and rope</li> </ul>	2
Cit	<ul> <li>RING SCREW-ON INSULATOR 190mm</li> <li>Black (AI-RI/L190)</li> <li>Screw into a wooden post to offset wire from the post</li> <li>Large clearance to eliminate power leakage</li> <li>190mm arm</li> <li>Can be used with 6mm steel wire or poly wire and rope</li> </ul>	
	SCREW-ON INSULATOR • Black (AI-SOB) • Screws onto round bar • Fits 8mm–12mm round bar • Fits most poly ropes and wires • Easy to install and adjust	
	<ul> <li>GUM-POLE SLEEVE</li> <li>Black (AA-SP/WI)</li> <li>Used to insulate a wire along a run or to tie off a wire around a post</li> <li>Insulated tube inner diameter (4.5mm) and thick external diameter (10mm)</li> <li>Flexible for quick and easy installation and eliminates false alarms and shorting</li> </ul>	C. S. C.
	MULTI PURPOSE INSULATOR • Black (AI-MPI) • Used with the Nemtek Y-picket and a JIO post • Can secure poly rope and steel wires • Can withstand high tension • Large design for heavy-duty use	
	<ul> <li><b>DUAL PIN PICKET INSULATOR</b></li> <li>Black (AI-DPI)</li> <li>Used with the Y-picket</li> <li>Can secure 12mm, 20mm, 40mm poly tape, poly rope and steel wires</li> <li>Can withstand high tension</li> <li>Suitable for long runs</li> <li>Quick fit design – easy to replace when required</li> </ul>	

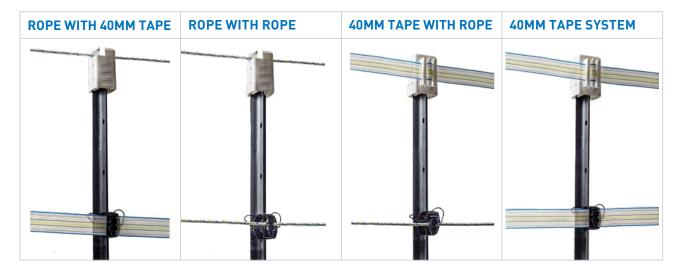
\* All plastic insulators are UV stabilised for long life.

# **TAPE INSULATORS - WOODEN POST**

-	<ul> <li>END AND CORNER POST INSULATOR</li> <li>Black (AI-CI/PT/B) or white (AI-CI/PT/W)</li> <li>Used to secure the equine electric fence poly tape in place</li> <li>Used along the fence between the end and corner posts and change of direction</li> <li>Suitable for 12mm, 20mm and 40mm poly tape</li> <li>Rubber pad to secure tape and increase life span</li> </ul>	
	<ul> <li>INTERMEDIATE POST INSULATOR</li> <li>Black (AI-I/PT/B) or white (AI-I/PT/W)</li> <li>Rubber pad to secure tape and increase life span</li> <li>Used to secure the equine electric fence poly tape in place in straight runs</li> <li>Suitable for 12mm, 20mm and 40mm poly tape</li> </ul>	J
(SAM	<ul> <li>WOODEN POST TAPE INSULATOR</li> <li>Black (AI-TI)</li> <li>Screws into wooden posts with a galvanised screw for corrosion protection</li> <li>Suitable for 12mm, 20mm and 40mm poly tape</li> <li>Uniquely angled for tape retention</li> </ul>	

## **PICKET CAPS**

<ul> <li>ROPE PICKET CAP (AA-P/CAP/ROPE)</li> <li>Suitable for most poly wires and ropes</li> <li>Heavy-duty design</li> <li>Fits most types of pickets and Y-posts</li> <li>White for high visibility</li> </ul>	
<ul> <li>TAPE PICKET CAP [AA-P/CAP]</li> <li>Suitable for all poly tapes</li> <li>Heavy-duty design</li> <li>Fits most types of pickets and Y-posts</li> <li>White for high visibility</li> </ul>	





# FENCING WIRES, CABLES AND ACCESSORIES

## WIRE, ROPE, BRAID AND TAPE

● GOOD VOLTAGE ● LOW VOLTAGE

	VOLTAGE AT START OF FENCE	VOLTAGE AT 200m	VOLTAGE AT 500m	VOLTAGE AT 2 000m	VOLTAGE AT 5 000m
<ul> <li>POLY WIRE ECO STOP SS3</li> <li>Available in 200m roll (AW-PWSS3/200M)</li> <li>For smaller temporary fences</li> <li>3 stainless steel strands for longer life</li> <li>13 300 Ω/km</li> <li>2.0mm with 40kg breaking strength (±10%)</li> <li>Up to 0.3km in optimal conditions</li> </ul>	8 500	1 340	590	300	60
<ul> <li>POLY WIRE VARIO SS6</li> <li>Available in 400m roll (AW-PWSS6/400M)</li> <li>For smaller temporary enclosures</li> <li>6 stainless steel strands for longer life</li> <li>4 000 Ω/km</li> <li>2.5mm with 64kg breaking strength (±10%)</li> <li>Up to 5km in optimal conditions</li> </ul>	8 500	3 260	1 700	940	200
<ul> <li>POLY WIRE BLUE MIX3</li> <li>Available in 200m (AW-PWBMIX3/200M) and 400m (AW-PWBMIX3/400M) rolls</li> <li>For smaller to medium permanent or temporary fences</li> <li>3 stainless steel and highly conductive strands</li> <li>380 Ω/km</li> <li>2.5mm with 80kg breaking strength (±10%)</li> <li>Up to 3km in optimal conditions</li> </ul>	8 500	7 370	6 150	4 830	1 770
<ul> <li>POLY WIRE BLUE MIX6</li> <li>Available in 400m roll (AW-PWBMIX6/400M)</li> <li>For medium to longer permanent or temporary fences</li> <li>6 stainless steel and highly conductive strands</li> <li>190 Ω/km</li> <li>2.5mm with 90km breaking strength (±10%)</li> <li>Up to 5km in optimal conditions</li> </ul>	8 500	7 900	7 140	6 150	2 930
<ul> <li>2.3min With Jokin bleaking strength (£1076)</li> <li>Up to 5km in optimal conditions</li> <li>PRE-WOUND POLY WIRE BLUE MIX6 400M</li> <li>400m of Poly Wire Blue Mix6 pre-wound onto a 3:1 geared reel holder (AW-RHP01) with a plastic gate handle attached for added convenience (AW-RHP01)</li> </ul>				<b>1</b>	

		VOLTAGE AT START OF FENCE	VOLTAGE AT 200m	VOLTAGE AT 500m	VOLTAGE AT 2 000m	VOLTAGE AT 5 000m
Ultro Metric	<ul> <li>POLY WIRE ULTRA MIX9</li> <li>Available in 200m roll</li> <li>Available in black (AW-PWUL9/200M) or white (AW-PWUL9W/200M)</li> <li>For medium to longer permanent or temporary fences</li> <li>9 stainless steel and highly conductive strands for added strength and conductivity</li> <li>110 Ω/km</li> <li>3.5mm with 155kg breaking strength (±10%)</li> <li>Up to 10km in optimal conditions</li> </ul>	8 500	8 140	7 650	6 960	5 900
BONUS 1500	<ul> <li>POLY BRAID MIX6</li> <li>Available in 550m roll (spooled in 400m and 150m) (AW-PBRMIX6/550)</li> <li>For medium to longer permanent or temporary fences. Braided construction for longer lifespan</li> <li>6 stainless steel and highly conductive strands for added strength and conductivity</li> <li>154 Ω/km</li> <li>3.5mm with 134kg breaking strength (±10%)</li> <li>Up to 5km in optimal conditions</li> </ul>	8 500	8 000	7 360	6 490	5 260
	<ul> <li>POLY BRAID ULTRA MIX11</li> <li>Available in 200m roll</li> <li>Available in black (AW-PBUL11/200M) or white (AW-PBUL11W/200M)</li> <li>For medium to longer permanent or temporary fences. Braided construction for longer lifespan</li> <li>11 stainless steel and highly conductive strands for added strength and conductivity</li> <li>110 Ω/km</li> <li>6mm with 410kg breaking strength (±10%)</li> <li>Up to 10km in optimal conditions</li> </ul>	8 500	8 140	7 650	6 960	5 900
	<ul> <li>POLY ROPE MIX6</li> <li>Available in 200m roll</li> <li>Available in black (AW-PRBMIX6/200B) or white (AW-PRBMIX6/200M)</li> <li>For longer permanent or temporary fences</li> <li>6 stainless steel and highly conductive strands</li> <li>190 Ω/km</li> <li>6mm with a 410kg breaking strength (±10%)</li> <li>Up to 5km in optimal conditions</li> </ul>	8 500	7 900	7 140	6 150	2 930
	<ul> <li>POLY TAPE 12mm MIX5</li> <li>Available in 200m (AW-PTMX12MM/200) and 400m (AW-PTMX12MM/400) rolls</li> <li>For small to medium permanent or temporary fences</li> <li>5 stainless steel and highly conductive strands</li> <li>180 Ω/km</li> <li>12mm with 150kg breaking strength (±10%)</li> <li>Up to 5kg in optimal conditions</li> </ul>	8 500	7 920	7 200	6 250	3 030

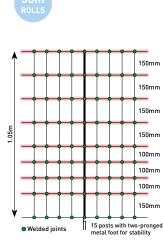


	VOLTAGE AT START OF FENCE	VOLTAGE AT 200m	VOLTAGE AT 500m	VOLTAGE AT 2 000m	VOLTAGE AT 5 000m
POLY TAPE 20mm MIX6 • Available in 200m (AW-PTMX20MM/200) and 500m (AW-PTMX20MM/500) rolls	8 500	7 960	7 260	6 340	3 140
<ul> <li>For medium to longer permanent or temporary fences</li> <li>6 stainless steel and highly conductive strands</li> <li>170 Ω/km</li> <li>20mm with 150kg breaking strength (±10%)</li> <li>Up to 5km in optimal conditions</li> </ul>					
POLY TAPE 40mm MIX10 • Available in 200m roll (AW-PTMX40MM/200)	8 500	7 900	7 320	6 430	3 270
<ul> <li>For medium to longer permanent or temporary fences</li> <li>10 stainless steel and highly conductive strands</li> <li>160 Ω/km</li> <li>40mm with 190kg breaking strength (±10%)</li> <li>Up to 7km in optimal conditions</li> </ul>					
<ul> <li>POLY TAPE 40mm SS316</li> <li>Available in 200m roll (AW-PT40/316/200)</li> <li>For use on smaller permanent or temporary fences in coastal areas</li> <li>10 stainless steel strands for longer life and better electrical conductivity</li> <li>160 Ω/km</li> <li>40mm with 190kg breaking strength (±10%)</li> <li>Up to 1.5km in optimal conditions</li> </ul>			7 320	6 430	
<ul> <li>REFLECTIVE FLEXI ROPE</li> <li>Available in 50m roll (AA-EEC/50M)</li> <li>8mm flexible conductive rope that can be used in gateways</li> <li>UV stabilised for long life</li> <li>Expands up to twice its original length</li> </ul>					
<ul> <li>SIGHTER WIRE</li> <li>Available in black and white</li> <li>Available in 100m (AW-SITA/100B, AW-SITA100W) and 600m (AW-SITA/600B, AW-SITA/600W)</li> <li>For horse paddocks, driveways, flower beds and yards</li> <li>4mm with 330kg breaking strength (±10%)</li> <li>Non-corrosive and resistant to most chemical sprays and salt water</li> <li>7 times lighter than steel wire</li> <li>Non-conductive</li> </ul>					

\* All poly tape, poly rope, poly braid and poly wires are UV stabilised for long life.

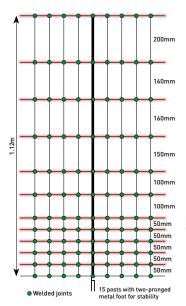
The voltage values shown along the fence are based on a single-wire fence with a load of 500  $\Omega$  to simulate and represent an animal touching the fence. The earth conditions are assumed to be perfect for the comparative voltage values shown above.

## **ELECTRIC FENCE NETTING**





**HEAVY-DUTY REINFORCED POSTS** 





#### SHEEP AND GOAT (AA-NET108)

- Heavy-duty UV-stabilised poly wires
- 3 x 0.20mm stainless steel conductors per horizontal fence line
- A total of 9 horizontal fence lines of which 8 are electrified. The bottom wire is not electrified as it touches the ground
- Metal clip to join multiple nets together
- Two-pronged metal foot for stability
- Repair kit and corner-post tie-downs included
- Multiple nets are easily connected

#### POULTRY (AA-NET112)

- Heavy-duty UV-stabilised poly wires
- 3 x 0.20mm stainless steel conductors per horizontal fence line
- A total of 12 horizontal fence lines of which 11 are electrified. The bottom wire is not electrified as it touches the ground
- Metal clip to join multiple nets together
- Two-pronged metal foot for stability
- Repair kit and corner-post tie-downs included
- Multiple nets are easily connected



#### NETTING POSTS (AA-NET112/POST, AA-NET105/POST)

- Replacement posts for the poultry, and sheep and goat nets
- Heavy-duty fibre reinforced posts with a two-pronged metal foot for stability and pushing into the ground

#### **POULTRY NETTING GATE SYSTEM (AA-NET/GATE)**

- 1.2m wide netting gate to allow easy access to net
- Inserted into ground next to existing net posts
- Insert docking post into dock, lift latch up and slide over top of support post
- Make electrical connections



# CABLES (HT CABLES)

Nemtek offers a range of high-voltage cables to use with your energizer and for all other insulated high-voltage transmissions. The high-voltage cables have been designed for a long life expectancy and low resistance on permanent fencing systems in most weather conditions. All Nemtek high-voltage cables are double insulated.

#### **UNDERGATE CABLE (U-SERIES)**

- The U-Series high-voltage cable is used with galvanised wires, aluminium wires and all poly tape, poly rope, poly braid and poly wires
- Double insulated UV stabilised outer and inner sheaths
- Available in 1.6mm heavy galvanised inner conductor for medium cable runs: 25m (AH-UC1.6/25), 50m (AH-UC1.6/50) and 100m (AH-UC1.6/100) spools
- Available in 2.5mm heavy galvanised inner conductor for long cable runs and large fences: 25m (AH-UC2.5/25), 50m (AH-UC2.5/50) and 100m (AH-UC2.5/100), 200m (AH-UV2.5/200) and 500m (AH-UC2.5/500) spools

## WIRE, ROPE AND TAPE DISPENSERS



# **FENCE WIRES**

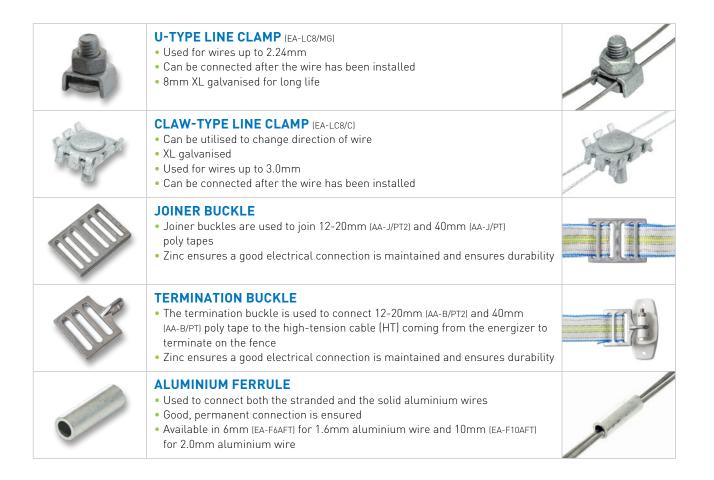
<ul> <li>STRANDED GALVANISED WIRE</li> <li>Flexibility of the stranded wire makes it easy to work with</li> <li>Ideal choice for in-land use where corrosion is low</li> <li>High in tensile strength which is harder to cut</li> <li>Available in 1.6mm: 1 560m (EW-T16) or galvanised 1 560m (EW-T16XL)</li> <li>Available in 2.0mm: 1 000m (EW-T20) or galvanised 1 000m (EW-T20/XL)</li> </ul>	
<ul> <li>SOLID GALVANISED WIRE</li> <li>Ideal choice for long permanent electric fencing systems</li> <li>Heavy-duty high-tensile strength wire</li> <li>Long life expectancy on a fence</li> <li>Larger diameters offer lower electrical resistance</li> <li>Available in 1.6mm: Galfan 1582m (EW-GN1.6/25KG)</li> <li>Available in 2.0mm: HDG 2 069m (EW-G2.00HG) and Galfan 1 012m (EW-GN2.0/25KG)</li> <li>Available in 2.24mm: 1 650m (EW-IG2.24) and HDG 1 650m (EW-G2.24HG)</li> </ul>	
<ul> <li>STRANDED ALUMINIUM WIRE</li> <li>Flexibility of stranded wire makes it easy to work with</li> <li>Low electrical resistance allows for longer fences to be powered by an energizer</li> <li>Good corrosion resistance for most environments (+5km from coastline)</li> <li>Easy to work with stranded wires</li> <li>Available in 1.6mm: 500m (EW-AL16S/500) and 1 000m (EW-AL16S)</li> <li>Available in 2.0mm: 500m (AW-AL20/500/STR) and 1 000m (EW-AL20S)</li> </ul>	
<ul> <li>SOLID ALUMINIUM WIRE</li> <li>Low electrical resistance allows for longer fences to be powered by an energizer</li> <li>Good corrosion resistance for most environments (+5km from coastline)</li> <li>Available in 1.6mm: 1 000m (EW-AL16)</li> <li>Available in 2.0mm: 500m (AW-AL20/500), 1 000m (EW-AL20) and 1 500m (EW-AL20/1500)</li> <li>Available in 2.5mm: 1 200m (AW-AL25/1200)</li> </ul>	







## WIRE, TAPE, ROPE AND CABLE CONNECTORS



# WIRE TENSIONING SYSTEMS

Communication of the second	<ul> <li>HEAVY-DUTY COMPRESSION SPRING 3 (ES-CNT3)</li> <li>Heavy tension compression springs (silver) can tension wires up to 2.0mm</li> <li>Heavy-duty durable design</li> <li>Plastic inner reduces galvanic reaction between dissimilar metals, reduces rust and increases lifespan of the wire</li> <li>Can be used with any type of electric fence wire</li> <li>Stainless steel spring maintains constant tension on the fence</li> </ul>	
Comme	<ul> <li>HYBRID COMPRESSION SPRING 4 (ES-CNT4HB)</li> <li>Combination of a compression spring and a ratchet tensioner</li> <li>Hardy glass-filled nylon body and spindle</li> <li>Can tension up to 2.24mm galvanised wire, 2.0mm stainless steel wire and 2.5mm aluminium wire</li> <li>Can be adjusted as required with the built-in ratchet tensioner</li> <li>Silver spring</li> <li>Used with DATS3</li> </ul>	
	<ul> <li>HYBRID COMBO TENSIONER BB [ES-CTNTBB]</li> <li>Can tension up to 2.5mm steel wire</li> <li>Engineered plastic material eliminates galvanic reaction between dissimilar metals and eliminates rust</li> <li>Uses a ratchet tensioner to tension the fence</li> <li>Can be used with any type of wire</li> <li>A hardy heavy-duty tensioner for all weather types</li> </ul>	
	<ul> <li>HYBRID COMBO TENSIONER BD BLACK (AS-WSI/BD)</li> <li>Working force of up to 450kg</li> <li>UV-stabilised insulated tensioner</li> <li>Engineered plastic material eliminates galvanic reaction between dissimilar metals and eliminates rust</li> <li>Steel wire diameter up to 3.0mm and poly wire and braided wire up to 3.5mm</li> <li>Effortless tensioning using a half-inch ratchet</li> </ul>	
	<ul> <li>HYBRID COMBO TENSIONER BD BLUE (AS-WSI/BBD)</li> <li>Working force of up to 150kg</li> <li>UV-stabilised insulated tensioner</li> <li>Engineered plastic material eliminates galvanic reaction between dissimilar metals and eliminates rust</li> <li>Poly wire diameter up to 10mm and braided wire up to 6mm</li> <li>Effortless tensioning using a half-inch ratchet</li> </ul>	
C.S.	<ul> <li>STANDARD TENSIONER (ES-DT)</li> <li>Galvanised, permanent fence wire strainer</li> <li>Can tension up to 2.24mm wire</li> <li>Only use with galvanised wires to avoid galvanic reaction</li> </ul>	
G B.R.	<ul> <li>COMBO TENSIONER - STANDARD (ES-CTS)</li> <li>Galvanised, permanent fence wire strainer with built-in insulator (nylon plastic)</li> <li>Can tension up to 2.24mm wire</li> <li>Only use with galvanised wires to avoid galvanic reaction</li> </ul>	



6	<ul> <li>COMBO TENSIONER - PORCELAIN [ES-CTP]</li> <li>Galvanised, permanent fence wire strainer with built-in insulator (porcelain)</li> <li>Can tension up to 2.24mm wire</li> <li>Only use with galvanised wires to avoid galvanic reaction</li> <li>For areas where fire is a concern</li> </ul>	
	<ul> <li>HEAVY-DUTY WIRE STRAINER [AS-WS/HD]</li> <li>Galvanised, permanent fence wire strainer</li> <li>Can tension up to 3mm wire</li> <li>Only use with galvanised wires to avoid galvanic reaction</li> </ul>	
6	<ul> <li>PLASTIC HEAVY-DUTY WIRE STRAINER (AS-WSI/HD)</li> <li>Galvanised, permanent fence wire strainer with built-in insulator (nylon plastic)</li> <li>Can tension up to 3mm wire</li> <li>Only use with galvanised wires to avoid galvanic reaction</li> </ul>	-
Contraction of the second	<ul> <li>PORCELAIN HEAVY-DUTY WIRE STRAINER (AS-WSP/HD)</li> <li>Galvanised, permanent fence wire strainer with built-in insulator (porcelain)</li> <li>Can tension up to 3mm wire</li> <li>Only use with galvanised wires to avoid galvanic reaction</li> <li>For areas where fire is a concern</li> </ul>	
$\sim$	<ul> <li>S-HOOK [ES-HK/EP]</li> <li>Hot-dip galvanised for long life expectancy</li> <li>Heavy-duty durable design</li> <li>Suitable for angled and rounded-corner poles or Omega bracket</li> </ul>	
	<ul> <li>THROUGH HOLE S-HOOK [ES-HK/THR/HDG]</li> <li>Hot-dip galvanised for long life expectancy</li> <li>Heavy-duty durable design</li> <li>Easy to install</li> <li>Suitable for round corner poles</li> </ul>	
2	U-HOOK (ES-HK/UH304) • Stainless steel hook for long life expectancy • Heavy-duty durable design • Easy to install • Suitable for round corner poles	

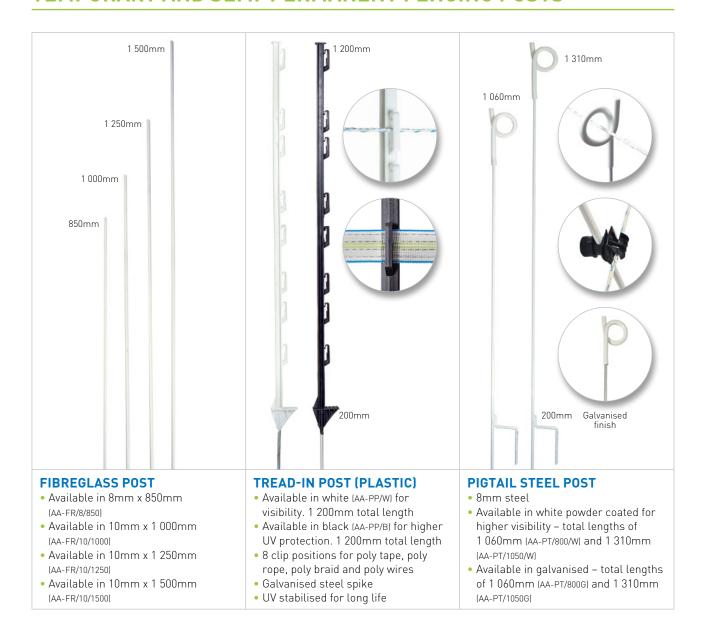


# **FENCING TOOLS**

DISTANCE MEASURING WHEEL (TL-DMW) • Quick, walkalong tool to measure distance	<ul> <li>KNIPEX WIRE CUTTER (TL-MN) <ul> <li>Designed for high-tensile wire cutting up to 2.5mm</li> </ul></li></ul>	HEAVY-DUTY DIAGONAL SIDE CUTTER PLIERS (TL-MNHW) • Designed for high-tensile wire cutting up to 3.5mm wire
and the second sec	Nego V	
PROFESSIONAL CRIMPING TOOL (TL-CRP) • Durable ferrule crimping tool	<ul> <li>HALF INCH RATCHET TENSIONER (TL-RAT1/2)</li> <li>Used to tension the Hybrid combo tensioner</li> </ul>	WIRE TWIST TOOL (TL-WTT) • Used to twist a wire around itself
<ul> <li>DRIVER TOOL 10mm ROD (TL-PD10R)</li> <li>Used to drive 8mm and 10mm fibre and steel rods into the ground</li> </ul>	Y-PICKET POST DRIVER [TL-PDY] • Used as a hammer to drive Y-pickets into the ground	<ul> <li>DRILL TOOL FOR 40mm RING SCREW-ON INSULATOR (TL-SIT)</li> <li>Used to easily and quickly screw in a 40mm screw-on insulator into a wooden post</li> <li>Attaches to any drilling machine or cordless screwdriver</li> <li>Made from robust material</li> <li>Its round shape makes for easy handling</li> </ul>



# FENCING POSTS AND BRACKETS TEMPORARY AND SEMI-PERMANENT FENCING POSTS



## **FIBREGLASS SPRING CLIPS**



# **OFFSET BRACKETS AND OUTRIGGERS**

Offset and outrigger brackets utilise the strength and rigidity of an existing fence, reducing costs of the electric fence system. They are ideally used in long electric fencing systems such as for animal management on farms or in game parks and reserves and are available in 4mm galvanised high-tensile steel.

LIVE	<ul> <li>SINGLE FENCING OFFSET BRACKET</li> <li>Used to carry a live wire to where it is needed</li> <li>Can be used with a porcelain (EI-BPFL) or plastic tension bobbin insulator (EI-BTL)</li> <li>Available in 225mm (EY-05225) and 450mm (EY-05450)</li> </ul>
LIVE	<ul> <li>DOUBLE FENCING OFFSET BRACKET</li> <li>Used where earthing conditions are poor</li> <li>Carries both a live and an earth wire to where they are needed</li> <li>Can be used with a porcelain (EI-BPFL) or plastic tension bobbin insulator (EI-BTL)</li> <li>Available in 225mm (EY-0D225) and 350mm (EY-0D350)</li> </ul>
LIVE C	<ul> <li>TRIPLE FENCING OFFSET BRACKET</li> <li>Used where earthing conditions are poor</li> <li>Carries two live wires and an earth wire</li> <li>Can be used with a porcelain (EI-BPFL) or plastic tension bobbin insulator (EI-BTL)</li> <li>Available in 240mm (EY-0T240)</li> </ul>
LIVE EARTH LIVE	<ul> <li>TRIPLE ANTI-DIG FENCING OFFSET BRACKET (EY-OAD)</li> <li>Used near the bottom of the fence in order to stop animals from crawling or digging under the fence line</li> <li>Carries two live wires and an earth wire horizontally near the ground</li> <li>Can be used with a porcelain (EI-BPFL) or plastic tension bobbin insulator (EI-BTL)</li> </ul>
LIVE	<ul> <li>OUTRIGGER BRACKET WITH PICKET INSULATOR</li> <li>Built-in picket insulator to reduce installation time</li> <li>The picket insulators can be changed without re-wiring</li> <li>Available in 230mm (AA-OUTRIGGER230) and 340mm (AA-OUTRIGGER340)</li> </ul>
State	<ul> <li>5 WIRE WALL TOP BRACKET (AA-MOD5W)</li> <li>Modular design to fit most wall top needs</li> <li>Durable fibreglass for most harsh environments</li> <li>Insulator can be installed on both sides of the bracket</li> <li>Can be used on top of a fence or wall to stop animals jumping or climbing over</li> </ul>
	<ul> <li>SINGLE LIVE TIP FENCING OFFSET BRACKET (AA-YP/LIVE/S)</li> <li>Carries an additional live wire on one side of the fence</li> <li>Discourages jumping and climbing over the fence line when placed on top of a fence, and digging under is reduced when placed at the bottom</li> <li>Bracket itself is live, protecting it from damage and tampering</li> <li>Can be fastened onto any existing Y-picket and wooden posts</li> <li>Heavy-duty design for harsh environments</li> </ul>
	<ul> <li>DOUBLE LIVE TIP FENCING OFFSET BRACKET (AA-YP/LIVE/D)</li> <li>Carries an additional live wire on each side of the fence</li> <li>Discourages jumping and climbing over the fence line when placed on top of a fence, and digging under is reduced when placed at the bottom</li> <li>Bracket itself is live, protecting it from damage and tampering</li> <li>Can be fastened onto any existing Y-picket and wooden posts</li> <li>Heavy-duty design for harsh environments</li> </ul>



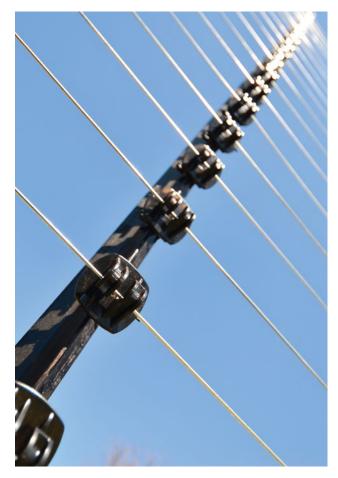
# **FREE STANDING SYSTEM**

## **INTERMEDIATE POSTS**

Nemtek has a range of products available to set up a free standing electric fence. These include corner posts and end posts for tensioning the fence and intermediate posts for guiding the wires between the posts.

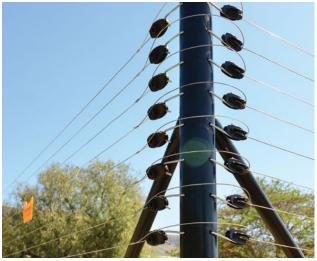
INTERMEDIATE POSTS (Y-PICKETS)								
	Nemtek picket intermediate posts	Number of wires	Number of holes	Fence height	Finish	Associated insulators		
	Nemtek Y-picket – 1.5m Bitumen (EY-Y15NB) Hot-dip galvanised (EY-Y15NHD)	Up to 12	12 100mm spacing	1.2m	Bitumen or hot-dip galvanised	Picket insulator (EI-PI)		
	Nemtek Y-picket – 2.4m Bitumen (EY-Y24NB) Hot-dip galvanised (EY-Y24NHD)	Up to 20	20 100mm spacing	2.0m	Bitumen or hot-dip galvanised	Picket insulator (EI-PI)		
	Nemtek Y-picket – 3.0m Bitumen (EY-Y30NB) Hot-dip galvanised (EY-Y30NHD)	Up to 24	24 100mm spacing	2.4m	Bitumen or hot-dip galvanised	Picket insulator (EI-PI)		





### CORNER, END POSTS AND ASSOCIATED STAYS





CORNER, END POSTS AND ASSOCIATED STAYS							
Nut (EA-SCRM10NUTSHD) Bolt (EA-SCRM10X120H)	Round-corner and end-straining posts	Number of wires	Number of holes	Fence height	Finish	Associated stays	
	Round tube 76 x 2mm/1.5m (EY-CPR7620HD15)	12	2 x 12	1.2m	Hot-dip galvanised	Round 38 x 2mm/1.5m (EY-CSR3815HD)	
	Round tube 76 x 2mm/2.4m (EY-CPR7620HD24)	20	2 x 20	2.0m	Hot-dip galvanised	Round 38 x 2mm/2.4m (EY-CSR3824HD)	
	Round tube 76 x 2mm/3.0m (EY-CPR7620HD30)	24	2 x 24	2.4m	Hot-dip galvanised	Round 50 x 2mm/3.0m (EY-CSR5030HD)	
	Round tube 95 x 2mm/2.4m (EY-CPR9520HD24)	20	2 x 20	2.0m	Hot-dip galvanised	Round 50 x 2mm/2.4m (EY-CSR5024HD)	
	Round tube 95 x 2mm/3.0m (EY-CPR9520HD30)	24	2 x 24	2.4m	Hot-dip galvanised	Round 50 x 2mm/3.0m (EY-CSR5030HD)	

#### Black powder-coated finish available to order





## **GATE SYSTEMS GATE HARDWARE**



- White and blue tape for higher visibility
- UV stabilised
- Suitable to secure gate openings up to 4m wide
- conductivity • High-visibility warning sign

• Complete kit for easy installation

• Stretchable flexicord contains stainless steel strands for

# **GENERAL ACCESSORIES**

### **FENCE ACCESSORIES**

ELECTRIC FENCE				
<ul> <li>WARNING SIGNS (EA-WRS2/N)</li> <li>Custom-made warning signs are available on order</li> <li>Wire clips on the warning sign reduce installation time</li> <li>Double-sided</li> </ul>	<ul> <li>TIMED FENCE LIGHT</li> <li>The frequency of the flashing LEDs indicates the voltage level on the fence. The longer the period between flashes, the lower the voltage on the fence</li> <li>Dark grey fence light for galvanised and aluminium wire (inland use) (SR-FL/TL/G)</li> <li>Blue fence light for stainless steel wire (coastal use) (SR-FL/TL/SS)</li> <li>Installed between the earth and live wires to indicate the fence status</li> </ul>			
	Contraction of the second seco			
<ul> <li>FLOODGATE CONTROLLER (AA-FGC)</li> <li>Limits energy on a section of fence in areas where flooding or heavy growth occurs</li> <li>Waterproof enclosure</li> </ul>	<ul> <li>SINGLE POLE LIGHTNING PROTECTION [EA-LID]</li> <li>Lightning protection system inhibits lightning and diverts the voltage spikes caused by lightning</li> <li>Stainless steel components for long life</li> </ul>	<ul> <li>CUT-OUT SWITCH (AA-COS)</li> <li>Isolates a section of the fence to allow for easy maintenance and fault finding</li> <li>Large design suitable for game farm applications</li> </ul>		

## **EARTH SPIKES**

O	D	3	3	~
1m HOT DIP GALVANISED	1.2m HOT DIP GALVANISED	1m COPPER- CLAD	1.2m COPPER- CLAD	EARTH SPIKE LUG
(EA-EAG1)	(EA-EAG12)	(EA-EAN)	(EA-EAN/L)	*Use with copper-clad earth spikes only

• Hot dip galvanised or copper-clad earth spikes with nuts and washers

• The double nut and washer allow for a good electrical connection with the HT cables

• Conductive earthing compound available to enhance earthing conditions (EA-CEC)



## **ENERGIZER ENCLOSURES**

	TREE TREE	
<ul> <li>SMALL ALUMINIUM BOX (ENC-ALU/S)</li> <li>Internal dimensions: 450(w) x 610(h) x 260(d)mm</li> <li>External dimensions: 450(w) x 640(h) x 310(d)mm</li> <li>Medium capacity to house an energizer, solar regulator and a deep cycle battery</li> <li>Ventilated aluminium box</li> </ul>	<ul> <li>LARGE ALUMINIUM BOX (ENC-ALU)</li> <li>Internal dimensions: 800(w) x 610(h) x 300(d)mm</li> <li>External dimensions: 800(w) x 640(h) x 350(d)mm</li> <li>Ventilated aluminium box</li> <li>Large capacity to house double energizers, solar regulator and deep cycle batteries</li> <li>Available in shock box version (ENC-SHBOX)</li> </ul>	<ul> <li>XL ALUMINIUM BOX (ENC-ALU/XL)</li> <li>Internal dimensions: 800(w) x 760(h) x 300(d)mm</li> <li>External dimensions: 800(w) x 790(h) x 350(d)mm</li> <li>Ventilated aluminium box</li> <li>Large capacity to house double energizers, solar regulator and deep cycle batteries</li> </ul>

- Stands 1 180mm high off the ground
- Available in two sizes. Small enclosure stand (ENC-KDS/S) and a larger enclosure stand (ENC-KDS)

#### ENCLOSURE STAND U-BRACKET (ENC-KDS/UBOLT)

• Use with concrete to secure the enclosure stand into the ground







## **SOLAR POWER**

### SOLAR PANELS



Nemtek solar panels offer a reliable source of power for electric fence systems in remote areas or where AC power supply is unreliable.

	5W	10W	20W	30W	45W	90W	140W
	SOL- SYS5W	SOL- SYS10W	SOL- SYS20W	SOL- SYS30W	SOL- SYS45W	SOL- SYS90W	SOL- SYS140W
Open-circuit voltage (Voc)	23.2V						
Weight	0.6kg	0.99kg	1.9kg	3.8kg		7.1kg	10.6kg
Module dimensions in mm	251(w) x 186(h) x 17(d)	654(w) x 251(h) x 17(d)	435(w) x 356(h) x 30(d)	251(w) x 186(h) x 17(d)	610(w) x 510(h) x 30(d)	900(w) x 670(h) x 35(d)	1 392(w) x 670(h) x 35(d)

### SOLAR REGULATOR (SOL-REG140)



The LED solar regulator offers advanced Maximum Power Point (MPP) technology for over 90% efficiency when used with a 140Watt solar panel. It can also be used with solar panels ranging from 20Watt to 200Watt making it very flexible. Solar panels larger than 140Watt can be used in areas where sunlight intensity is low to increase the capture of sunlight.

- Power-handling capability 140W
- Solar panel input range 20W ~ 200W
- Maximum load supply current 10A
- The LED display indicates solar charge, battery condition and load indication
- Set to operate as a 12VDC system
- The regulator is equipped with various devices to protect its electronics
- Battery charge voltage Flooded, AGM, Gel lead-acid battery types

## MOUNTING BRACKETS (SY-SYZ040R)



#### SOLAR PANEL MOUNTING BRACKET (SY-SYZ040R)

- Quick and easy to install onto most of Nemtek's solar panels
- Adjustable angle: 15, 30 and 45 degrees
- Use on panel: 20W, 45W, 90W and 140W
- Made from extruded aluminium with stainless steel fasteners



#### POLE MOUNT BRACKET (AA-AE50BR)

- Quick and easy to install onto most of Nemtek's solar panels
- Use on panel: 45W and 90W

Hot dip galvanised





## **BATTERIES AND BATTERY BOXES** BATTERIES



Lead Acid (AGM) 12VDC						
Battery characteristics	12Ah	28Ah	50Ah	100Ah		
	BAT-B12	BAT-B28	BAT-B50	BAT-B100		
Nominal voltage	12V	12V	12V	12V		
Weight	3.4kg	9kg	16kg	29.8kg		
Dimensions (L x W x H in mm)	151 x 99 x 101	175 x 165 x 126	229 x 138 x 213	329 x 172 x 218		

LiFeP04 (Lithium) 12VDC						
Battery characteristics	7Ah	20Ah	30Ah	100Ah		
	BAT-LIFE07	BAT-LIFE20	BAT-LIFE30	BAT-LIFE100		
Nominal voltage	12.8V	12.8V	12.8V	12.8V		
Weight	1kg	2.7kg	3.5kg	11.5kg		
Dimensions (L x W x H in mm)	151 x 65 x 95	181 x 77 x 167	181 x 77 x 170	260 x 168 x 215		

### **BATTERY BOXES**



#### BATTERY BOX 50Ah (BAT-B50/BOX)

- Battery box with a 50Ah battery will allow you to have portable 12V power for a range of outdoor uses
- Outdoor protection for the 50Ah battery
- Strong and sturdy design
- 280mm (L) x 190mm (W) x 240mm (H)
- UV stabilised for long life



#### BATTERY BOX 100Ah (BAT-B100/BOX)

- Battery box with a 100Ah battery will allow you to have portable 12V power for a range of outdoor uses
- Outdoor protection for the 100Ah battery
- Strong and sturdy design
- 410mm (L) x 238mm (W) x 263mm (H)
- UV stabilised for long life



## **GETTING STARTED WITH ELECTRIC FENCING**

#### **HOW AN ELECTRIC FENCE WORKS**

In order for a fence to shock an animal, an electrical circuit needs to be completed. The energizer sends a high-voltage pulse through the fence live wires. The energizer needs to be earthed.

When the animal touches the live wire, the pulse will flow from the live fence wires to the animal, then into the earth and back to the energizer, completing the circuit. The completion of the circuit delivers a safe yet memorable, sudden and quick shock to the animal.

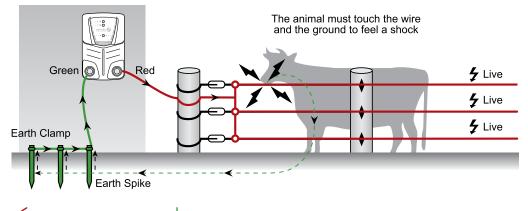
The shock creates an unpleasant memory that animals generally recall. Different animals may require different levels of voltage to create the appropriate shock depending on the thickness of their coats or hides. Sheep, goats and wild animals generally require higher voltage levels compared to horses, pigs and cows.

#### **EARTHING THE FENCE**

The earthing component of the fence is very important. Without adequate earthing, the electrical circuit from the energizer will not be completed when the animal touches the fence, and the animal will receive an ineffective shock. The pulse needs to flow from the animal through the soil or other earthing system back to the energizer. Generally, when there is good soil moisture, you require less additional earthing components on your fence. Earthing conditions can vary depending on the season and the type of soil.

#### **TYPICAL FENCE WITH GOOD EARTHING**

If your earthing conditions are good all year round, you will only need live wires on your fence (no earth wires) and a few earth spikes in the vicinity of the energizer.



### 

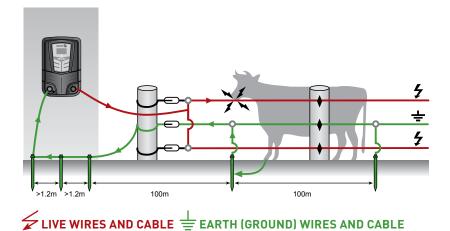
#### **TIPS FOR BETTER EARTHING**

- Place your earth spikes in damp areas where possible.
- Earth spikes must be placed in the vicinity of the energizer. There should be at least three earth spikes, placed a minimum of two metres apart.
- The earth spike connectors (at the top of the earth spike) should always be visible for maintenance and ease of connection.
- Additional earth spikes can be connected to the earth wires of the electric fence. (Ensure that the earth wires are connected to the earth input of the energizer.)
- Earth spikes must be at least 10 metres away from electrical earth systems, e.g. house mains, telephone and power lines.



#### **TYPICAL FENCE WITH INADEQUATE EARTHING**

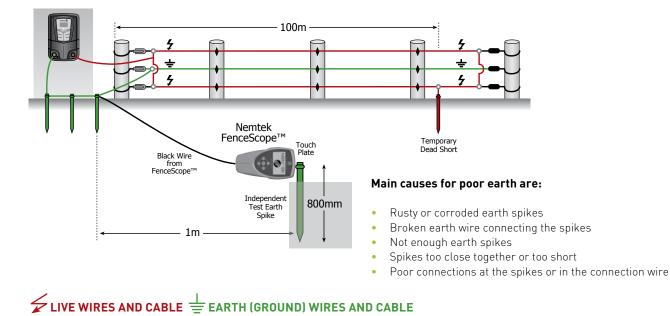
If you have inadequate earthing due to poor soil conditions or seasonal changes in the soil moisture levels, you will require additional earthing. You will need one or more earth wires along your fence in addition to your live wires. Earth spikes will also need to be placed along the fence. By introducing these additional earthing components, you counteract any bad soil conditions to ensure that the electrical circuit back to the energizer can be completed so that the animal receives an adequate shock.



#### **TESTING THE EARTH SYSTEM**

To ensure you have an adequate earth system, perform the following procedure according to these measurements: at least 100m away from the energizer earth spikes, drive an earth spike into the ground and short this spike to the fence live wires. Add additional earth spikes until the fence voltage at this point is reduced to 2 000V (2kV) or less. Using a Nemtek FenceScope (set to PROBE function) measure the voltage between the energizer earth spikes and an independent test earth spike driven into the ground one metre away. This test earth spike should be at least 800mm long. The reading, if any, should be below 300V.

If the measured voltage is greater, switch off the energizer and drive in additional earth spikes at the recommended spacing, and connect them to the existing earth system. Repeat this process until the measured voltage is reduced to an acceptable level.



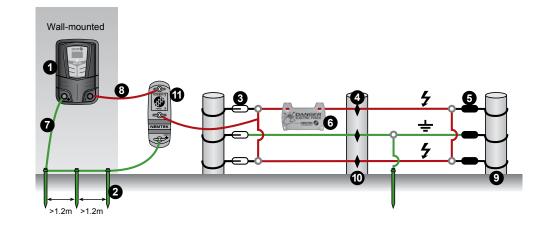
#### **TYPES OF FENCES**

#### Permanent electric fence

A permanent fence for game animals or livestock will require higher tensile strengths, be more robust, have a longer life span and use more durable insulators and equipment.

Animals tend to run into the fence before seeing it and they could damage the fence, especially in the dark.

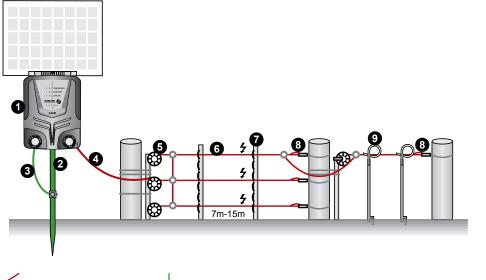
- 1. Energizer
- 2. Earth spikes
- 3. Strain insulator
- 4. Post insulator
- 5. Wire tensioner
- 6. Warning sign
- 7. Earth (green)
- 8. Live (HT cable)
- 9. End and corner post
- 10. Intermediate post
   11. Single pole lightning
- protection



#### Portable electric fence

Portable fencing can be moved as required, creating temporary paddocks, strip-grazing areas, or even protecting flowerbeds and refuse areas from pets or feral animals.

The energizers are generally smaller units that can run for many days on battery power or can be powered with solar cells and a battery back-up.



1. Solar energizer with internal battery

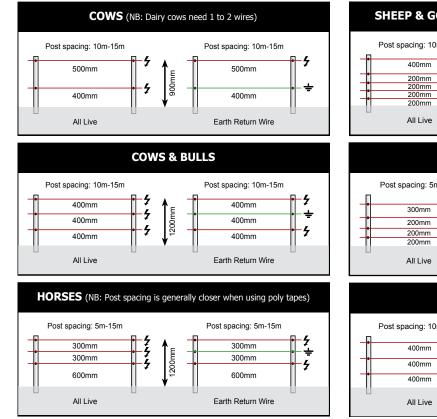
Agri tread-in post
 Earth wire (clamped

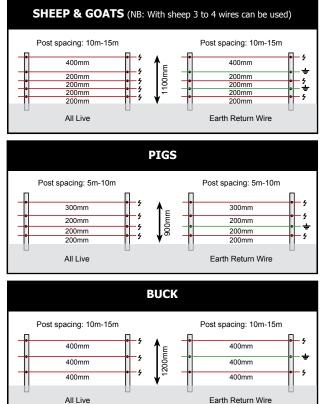
- on post) 4. Live wire out
- 5. Three reel holder stand
- Poly wire / braided wire
- 7. Tread-in post
- 8. Insulated gate handles
- 9. Pigtail post

 $\checkmark$  LIVE WIRES AND CABLE  $\stackrel{\perp}{=}$  EARTH (GROUND) WIRES AND CABLE



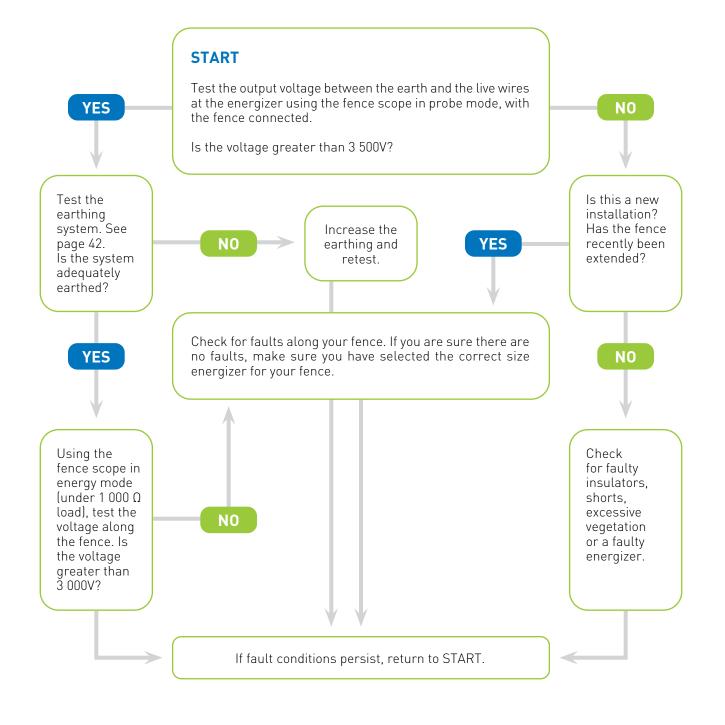
#### **POST AND WIRE SPACING**







## **FENCE FAULT-FINDING CHART**





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