

AKO FENCE ENERGIZERS

A North American exclusivity

BMR GROUP

1501 Ampère street, suite 200
Boucherville (Québec) J4B 5Z5
450 655-6700
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bmr.co
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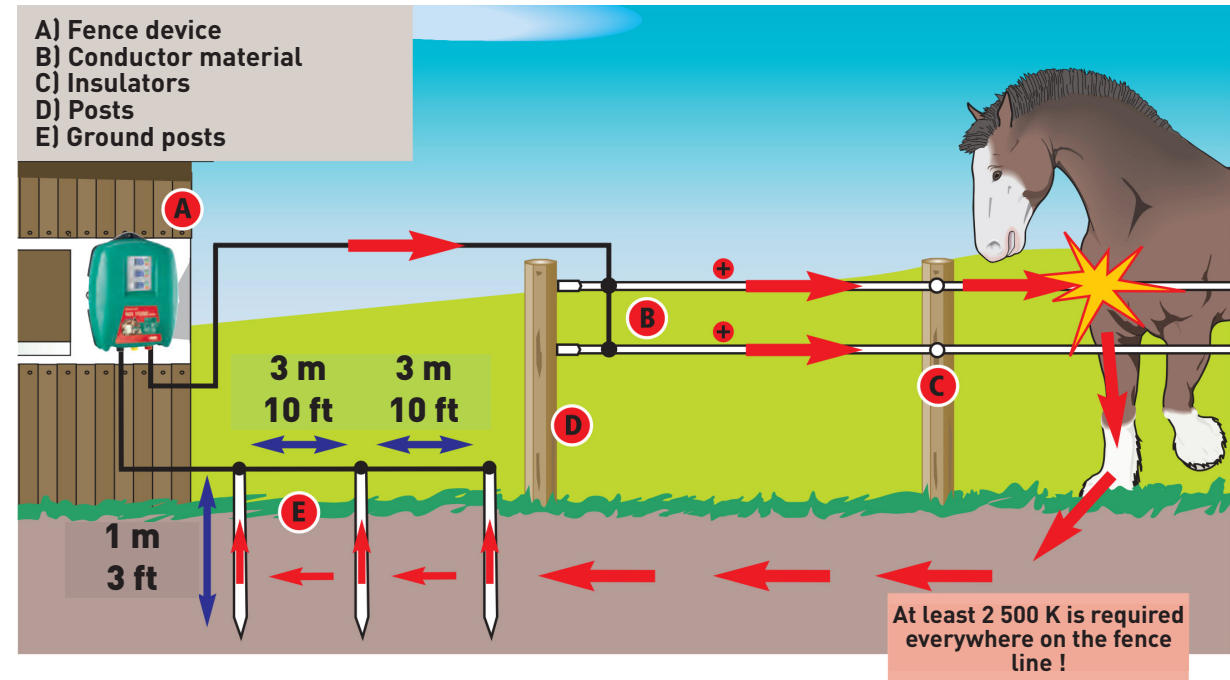
AKO is not «JUST» a brand

AKO has over 70 years of development expertise in the field of fence devices and fence construction! All the fence devices are produced and made in Germany with a 3 year warranty. Their own development team focuses exclusively on the further and new development of device technology in accordance with the latest safety standards! Every fence device is checked to ensure its function and performance!

Their excellent service and super quality make them a partner you can rely on!



What is an electric fence system and how does it work ?



The electric fence system consists of :

- An electric fencer generating regular energy impulses.
- One or more wires that transport electricity (although these do not necessarily have to form a closed loop).
- Insulation is performed by insulators preventing the power from diverting into the ground.
- Permanent or mobile posts that can be used as required.
- The earthing of the electric fencer which should be driven as deep as possible into moist soil.

If the animal touches the wire, a current circuit is closed, i.e. the electric current flows through the animal and the earth back to the unit. The animal consequently receives an unpleasant, although harmless, electric shock and retreats. An electric fence system of this kind is used successfully to pen animals in and also to keep other animals out.

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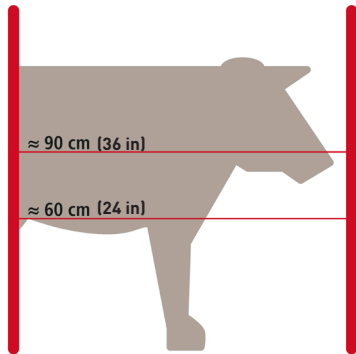
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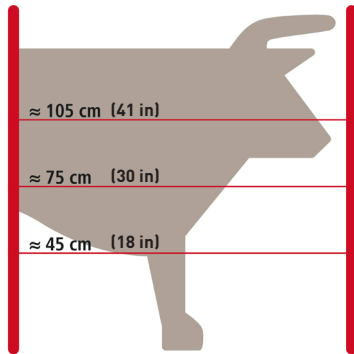
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How many wires in which height ?

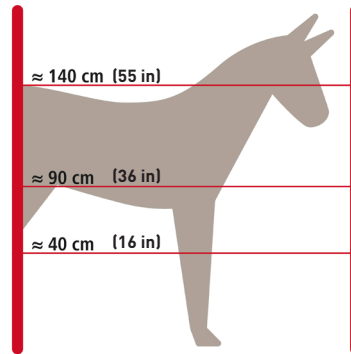
Containing livestock and protecting against game intrusion has long been a concern of humans. Allowing the animal to eat naturally and sufficiently without having to supervise it is one of the advantages of an electric fence. Any breed of domestic animal can fit into a space defined. The following heights may give an overview for each space to be contained and are only given as a guide.



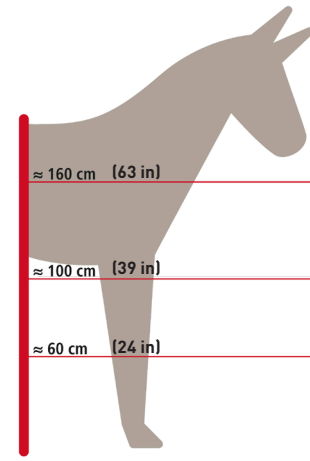
Dairy cows electric fence



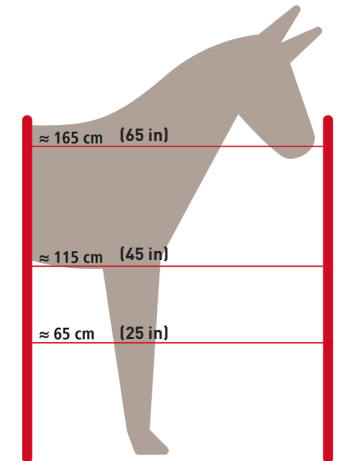
Beef cattle electric fence



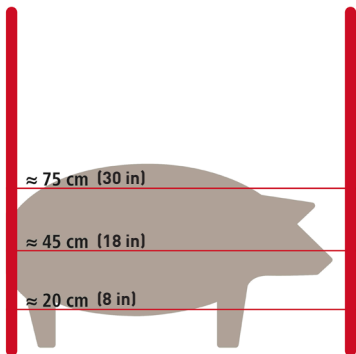
Small horses electric fence



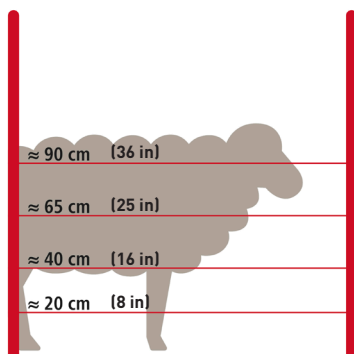
Big horses electric fence



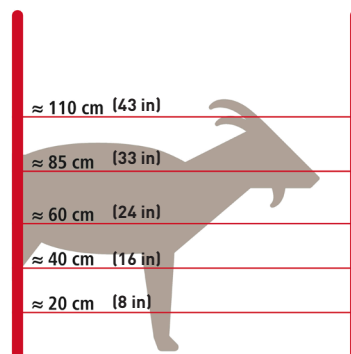
Jumping horses electric horse



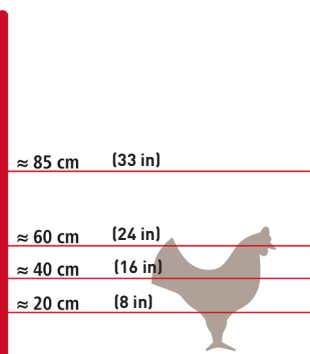
Pigs electric fence



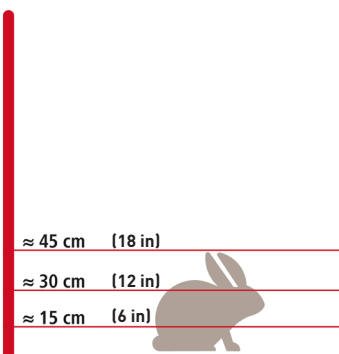
Sheeps electric fence



Goats electric fence



Poultry electric fence



Rabbits electric fence

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Legend and useful tips for use

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Explanation of symbols



Stored energy by the fence device



Maximum energy transmitted from the device to the fence system. This pulse is also identified as shock strength.



Maximum voltage reached with a low fence charge



Voltage in open circuit when no fence system is connected to the electric fence device



Voltage at a fence charge of 500 Ohm



Maximum theoretical fence length



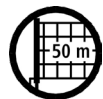
Recommended fence length with varying vegetative growth



Recommended fence length with moderate vegetative growth



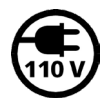
Recommended fence length with dense vegetative growth



Number of 50 m nets lines to be used with 110 V or 12 V fence devices



Recommended number of grounding posts



110 V powered devices



110 V or 12 V powered devices



1,5 V batteries powered devices



12 V battery powered devices



Solar powered devices

Animal types

You will find animal icons on many products. These indicate usage for certain animal types



Dairy cows



Beef cattle



Horse



Pig



Sheep



Goat



Poultry



Rabbit



Cat



Dog



Having trouble with your energizer? [Click here](#) for helpful expert advice on checking energizer, fence power, or grounding

AKO 110 V FENCE DEVICES

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POWER M 1500

- Visual LED display of voltage and grounding. A red flashing light is displayed during a fault.
- Unlimited autonomy
- Provides the necessary energy even for very long fences
- Responds to all applications
- Warranty including lightning



POWER M 2500

- Visual LED display of voltage and grounding. A red flashing light is displayed during a fault.
- Unlimited autonomy
- Provides the necessary energy even for very long fences
- Responds to all applications
- Warranty including lightning



POWER M 3500

- Visual LED display of voltage and grounding. A red flashing light is displayed during a fault.
- Unlimited autonomy
- Provides the necessary energy even for very long fences
- Responds to all applications
- Warranty including lightning



POWER M 4500

- Visual LED display of voltage and grounding. A red flashing light is displayed during a fault.
- Unlimited autonomy
- Provides the necessary energy even for very long fences
- Responds to all applications
- Warranty including lightning

BMR code	Model	Warranty	In	Out max.	max.	No Load	500 Ω	theor.	max.	50 m	1 m	For vegetation
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070-6159	Power M 1500	3 years	2,0 J	1,5 J	9 980 V	9 200 V	4 880 V	70 km - 43 miles	15 km - 9 miles	4	2	Light to moderate
070-6131	Power M 2500	3 years	3,3 J	2,5 J	9 980 V	9 200 V	5 000 V	100 km - 62 miles	25 km - 15 miles	8	3+	Light to moderate
070-6317	Power M 3500	3 years	4,5 J	3,5 J	9 920 V	9 200 V	5 040 V	130 km - 80 miles	35 km - 22 miles	9	3+	Moderate to dense
070-6229	Power M 4500	3 years	6,0 J	4,6 J	9 920 V	9 200 V	5 080 V	150 km - 93 miles	45 km - 28 miles	15	3+	Moderate to dense

AKO DUAL ENERGY FENCE DEVICES

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STANDARD FEATURES

- Optimized consumption thanks to energy saving mode
- Full discharge protection with 12 volts operation
- Microprocessor controlled
- Mlug connector with screw fuse
- **12 V battery not included**
- Supplied with the fence device :
 - 12 V connector cable
 - 110 V power pack
 - Ground connection cable
 - Fence connecting wire



DUO POWER X 1000

- With effective output power
- Ideal for short fences
- With LED function control and visual battery warning indicator
- 15 W solar module recommended, see code 070-6292



DUO POWER X 2000

- With high output power
- Ideal for standard fence
- On/Off switch
- LED fence control and separate battery warning indicator
- 25 W solar module recommended, see code 070-6016



DUO POWER X 4000

- With extremely high output power
- Ideal for long fences, strong animals and for deterring wild animals
- On/Off switch
- LED fence control and separate battery warning indicator
- 25 W solar module recommended, see code 070-6016

BMR code	Model	Warranty	In	Out max.	max.	No Load	500 Ω	theor.	max.	50 m	1m	For vegetation
070-6308	Duo Power X 1000	3 years	1,6 J	1,0 J	12 000 V	9 000 V	4 100 V	35 km - 21 miles	10 km - 6 miles	3	1	Without vegetation
070-6399	Duo Power X 2000	3 years	3,2 J	2,0 J	9 600 V	8 300 V	6 100 V	70 km - 43 miles	18 km - 11 miles	6	2	Low vegetation
070-6052	Duo Power X 4000	3 years	4,5 J	3,0 J	9 600 V	8 300 V	6 300 V	95 km - 59 miles	35 km - 21 miles	12	3	With vegetation

AKO BATTERY FENCE DEVICES

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COMPACT POWER B 40

- Portable unit ideal for small fences
- Operated by 2 x 1,5 V batteries not included
- Battery will run about 6 weeks when used 24 hours/day
- On/Off switch



MOBIL POWER A 1200

- All purpose, very powerful 12 Volt rechargeable battery unit for portable use
- Allows for alternative operation with 9 Volt dry battery
- Two separate LEDs for fence condition and battery condition control
- Manual turn switch adjusts output energy steplessly, this makes power input adjustable to adapt more efficiently to fencing conditions
- Microprocessor controlled and low power consumption thanks to energy saving mode
- 15 W solar module recommended, see code 070-6238



POWER A 2000

- Ideal for portable use
- With separate fence voltage and battery condition control. Battery condition control (red LED flashes, when battery reaches 40 % of its remaining capacity)
- With 12 Volt full discharge protection
- On/Off switch
- Low power consumption thanks to energy saving mode
- Solar back-up power possible with 15 W recommended solar module, see code 070-6292

BMR code	Model	Warranty	In	Out max.	max.	No Load	500 Ω	theor.	max.	50 m	1m	For vegetation
070-6089	Compact Power B 40	3 years	0,13 J	0,09 J	5 000 V	5 000 V	1 340 V	1 km - 0,6 mile	0,2 km - 0,12 mile	N/A	1	Without vegetation
070-6177	Mobil Power A 1200	3 years	2,10 J	1,40 J	10 700 V	9 000 V	4 400 V	40 km - 28 miles	10 km - 6 miles	4	2	Low vegetation
070-6371	Power A 2000	3 years	3,2 J	2,0 J	9 600 V	8 300 V	6 100 V	70 km - 43 miles	18 km - 11 miles	12	3	Without vegetation

AKO SOLAR FENCE DEVICES

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SUN POWER S 250

- Optimized for maintenance-free continuous operation over the grazing season on fences with little vegetation
- Ideal for horse paddocks and smaller fence systems without vegetation
- Intelligent battery management, with lightning protection. The device functions even during long periods of poor weather conditions (up to 4 weeks)
- Long battery life
- Green LED function control
- Red LED battery warning indicator
- On/Off switch
- Integrated battery charge regulation
- Micro-controller controlled
- Very robust, weather-resistant housing
- Included with the fence device :
 - Integrated 12 V, 4 Ah battery
 - integrated 12 V, 3 watt solar module
 - 110 volt power pack to recharge the gel battery and/or to trickle charge during the winter months
 - Connector cable for fence and earth connection
 - Ground spike



076-3163	Sun Power S 250	3 years	0,40 J	0,25 J	10 500 V	10 500 V	2 800 V	6 km - 3,7 miles	3 km - 1,8 miles	N/A	1	Without vegetation