

Total Property Protection from Solar Electric Fence System

The Solar Perimeter Security Electric Fence system is a modern day alternative to conventional methods of fencing to protect your crops & property. Electric Fence is an effective way to reducing losses caused by animals.

How does the Solar Electric Fence System Work?

When an animal or human being comes into contact with the electric Fence, they receive a sharp, short, painful but safe electric shock. The shock does not cause any physical damage. The electric fence acts as a strong psychological barrier as any intruder avoid coming into contact with the electric Fence once they experience the shock. After a period of conditioning, the mere presence of the fence acts as an effective barrier even if it is not powered 'ON'.

Electric fence can be made to detect a fault on the fence like shorting or cutting of the wire due to tampering on the fence with the Alarm system

Special features of the Solar Electric Fence System

Electric Fence can be built alongside existing fences except in case of barbed wire fences.

- Existing posts can be made use of provided the corner / end poles are strong.
- The shock does not physically harm animals or human beings.
- The Solar Electric Fence System conforms to National and international Standards.
- The Solar Energizers are tested by ETDC, Govt. of India

Advantages over Conventional Fences

The major advantages of Electric Fences over traditional fences are:

- Fence posts are erected 3 - 6 mts apart depending upon the terrain.
- No barbed wires are used. Only plain High tensile (Strong) wire is used.
- Long lives as the fence is not subjected to physical pressures of wear and tear.
- Selective barriers possible. For example, Elephant barriers can be designed to allow smaller animals like cattle to move in and or out.
- It is used in more than 165 countries all over the world.
- It is the most effective method of fencing, and is safe to all kinds of animals and to human beings.
- It is easily constructed and maintained.
- It is long lasting and can be modified, extended, shifted and re-erected from one place to another, without loss of materials and waste of labour.
- This is the only method of fencing, which can effectively keep all kinds of wild animals out.
- It is not dependent on regular electricity supply as it operates on battery

Applications of electric Fence systems

Electric fence systems have varied application in Agriculture, Industrial and Forestry *Or* Plantation sectors. With increasing crime in urban areas, this proven technology has now been adapted for domestic security applications, too.

Industrial: Security Electric Fence systems provide 100% protections against theft, Pilferage, arson, sabotage..... The fence systems can also be integrated with other security devices like sirens, flood lights etc., making it impenetrable.

Domestic: The wall top system for residential applications is sleek, aesthetic and ideal for compounds, rooftops, farm houses and apartments

How to maintain an Electric Fence System?

Solar Electric Fence system requires very little maintenance. The following tips help you in proper maintenance of the fence:

- Ensure that your solar electric fence is a complete electric fence system with all the correct accessories.
- Make sure that the Energizer / Control unit is protected from rain and housed inside a secured area.
- Clean the top surface of the solar panel regularly to remove accumulated dust if any.
- Ensure that the solar panel mounting is proper in the North - South direction at an angle of 15 degree.
- During heavy storm and lightning, disconnect the energizer from the fence. This will prevent severe damages to the energizer.

- Earthing is very important for good performance. Use good number of Super Earth Kits. Do not install the earth kit near mains earthing.
- Check for vegetation growths regularly. Keep the fence line clean

Battery Maintenance:

- Ensure that the terminals are clean. Use petroleum jelly periodically.
- The specific gravity of the battery should be maintained between 1150 - 1250.
- Add distilled water to maintain the level of electrolyte in each cell of the battery.
- Keep the battery in an upright position on a wooden plank.
- Never add acid to the battery.

Ensure that the initial charging of the battery is done properly. . Do not keep the battery unused for more than