

Description Of Solar Fencing & its Working

Solar Fencing is the modern days alternative to the conventional type of perimeter protection. These are active fences and punish the un welcomed intruder the moment they touches the fence or try to tamper the fence, the conventional type of fences are only a passive fences and cannot resist the intruder if they try to forcibly intrude into the protected area. The Solar fence gives a sharp short but a safe shock and creates psychological fear. Against any tempering the alarm incorporated in the system gets activated and alerts the inmates of the protected area, which facilitates them to counter the un welcomed intruders.

The Solar fence is scientific fence and works on the solar energy with backup facility to run uninterruptedly during the nights as well as cloudy days. The whole system can be derived into two segments, one is the central control unit or solar power generating & solar pak magnum 12 units and the other one is the fence.

The Solar photovoltaic module in the solar fencing generating & solar pak magnum 12 unit or central control unit converts the sunshine into electrical energy and sends them to the solar pak magnum 12 unit through a backup battery. The Solar pak magnum 12 unit takes 12v D.C as input and energies the same into 7000 to 8000volts in pulses.

These pulses will travel through the fencing wires at regular interval of 1 pulse per second and the duration of each pulse will be 3 mille seconds. The fencing part is a scientific type os layout in which multi stands at 4/6 inches gap will run through the insulators, which are pre welded and pre fabricated to 105 inch to 2 inch poles. The height of the fence above the ground / compound wall will be as per the requirement of the site conditions. The poles are arranged at 10 feet gaps with perfect supporting to the corner poles. Proper earthling in the mode of super earth kits which is a composite mixture of different minerals, helps the fence to have a perfect earthling system as these fences requires good earthling for effective working.

There is provision for restricting the intrusion through the gate as well as over the gate. The spring loaded barricades arranged to the gate will electrify, the gate and activates the alarm when some body tries to open the gate forcibly. Pulses travels through the springs arranged to the gate and give the shock to the trespassers / intruders.

Note: Solar fencing is not fatal or harmful as these system works only on solar power DC with low amps current i.e. 300Milli amps.

REMEMBER THE SYSTEM IS NOT CONNECTED TO ANY AC
MAINS ANYWHERE.

TECHNICAL DETAILS:

- Alarm PCB Incorporation with external Horn.
 - 12G High – tension wire.
 - PP insulators, CP Strain insulators
 - Permanent wire tightners, joint clamps.
 - Insulated cable loaded barricades.
 - Regular poles with insulators prefabricated & printed.
12G X 1 ½ Dia X 3 ½ HT.
 - Corner poles with insulators. Prefabricated & painted.
12G X 2” dia X 4” Ht.
 - Support poles: 12G X 2” dia X 4”
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