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Solar Powered Energisers on Your Farm

Farmers often face the question: Should I install a relatively long lead-out wire to power the fences at the back of the farm or should I power those fences with a solar powered energiser? The answer can be found by calculating the cost of the lead-out wire and compare it with the cost of a solar powered energiser that is large enough to electrify the area under discussion. Of course, it should also be checked whether the present mains unit would be large enough to provide power for the additional paddocks.

In cases where there is no possibility to get power to the block you want to electrify, or the charges by the power company are higher than a solar powered energiser, the answer is relatively simple.

You may have come across the very versatile and flexible self-contained units that can be moved at any stage without any problems. You will find them on our website. However, when it comes to areas greater than 50 acres or more, larger energisers than the self-contained LIS3, LIS10 or SP30 will have to be installed to make sure that you have enough power to keep your animals where you want them to be. For this purpose we offer:



Red Trout LIB30



Red Trout LIMB50



Solar Unit Mounted

Both solar units come with:

- *Red Trout Battery Energiser*
- *High Quality Solar Panel*
- *Deep Cycle Battery*
- *Regulator (to protect battery from being overcharged)*
- *Brackets and Leads*

Red Trout LIB30

- Battery Powered Energiser with 2.5 Output Joules
- Covering 25 - 30 km of 3-wired fence
- Deep Cycle Battery 12 V/85 Amp/h
- 40 W Solar Panel
- **Selling Price: \$ 1,342.40 inc. GST and freight to an urban address**

Latest offer by one of our competitors:

Gallagher B200, 1.1 Output Joules, covering 15 km of 3-wired fence, 20 W Solar Panel, 12 V/70 Amp/h Deep Cycle Battery , Selling Price: \$ 1,058.00.

Conclusion: The B200 offers 45 % of the strength of LIB30. The solar panel is half the size and the storage capacity of the battery (Amp/h reading) is lower.

Red Trout LIMB50

- Battery/Mains Powered Energiser with 4.5 Output Joules
- Covering 45 - 50 km of 3-wired fence
- Deep Cycle Battery 12 V/115 Amp/h
- 50 W Solar Panel for areas as far South as Christchurch
- 65 W Solar Panel for all areas South of Christchurch or in low sunshine areas
- **Selling Prices: with 50 W Solar Panel \$ 1,449.00 inc. GST and freight to urban an address
with 65 W Solar Panel \$ 1,682.30 inc. GST and freight to an urban address**

Latest offer by one of our competitors:

Gallagher B700, 5.6 Output Joules, covering 55 - 60 km of 3-wired fence, 40 W Solar Panel, 12 V/100B Amp/h Deep Cycle Battery , Selling Price: \$ 2,432.70.

Conclusion: The B700 is 25 % stronger than the LIMB50. However, the solar panel is 20 % smaller than the 50 W panel and the storage capacity of the battery (Amp/h reading) is lower.

The size of the solar panel determines how effective the battery is charged. The Amp/h indication tells you the storage capacity. In other words the higher the Amp/h reading the longer the battery will power your energiser.

If your property exceeds the capacity of one energiser you can either install two or more units or choose a larger one. Larger units are available, however, the installation of larger solar panels requires special brackets as solar energisers are usually installed/mounted in exposed places with high winds. On the other hand a failure of a solar kit can never be excluded which means with two units you have more options. Installations of larger solar powered energisers have to be tailor-made. Please give us a call or consult our website www.redsnapr.co.nz

Happy farming!

Your Red Snap'r Team

