

Kelln Solar

The Power of the Future

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Press Release

Unbelievable Performance

This has been a very cold winter in Canada -Manitoba Saskatchewan and Alberta, the coldest on record for 45 years Manitoba had the coldest three months at -34 degrees Fahrenheit with a 35 mile/hour wind, and Kelln Solar is pleased to report that their two Winter Watering systems worked flawlessly. Our Winter Trough (Aquatherm) designed primarily for Pasture watering where there is no grid power and well water is available. A Solar Power Submersible pump with the check valve removed delivers water to the top of these troughs at 10 gpm, a pressure system will also work. These Winter troughs –since 2002, are well insulated with 2 or more drink tubes, without covers which allow cattle to drink and these drink tubes isolate the cold air from the trough. These troughs keep cattle manure in the pasture where it belongs until caving (when they are moved closer to home) it is a win win situation. Norm Amthor from Swift Current Saskatchewan states “life sure got a lot easier since I purchased a Kelln trough”.

Our second Kelln Winter Watering System (developed in1996) works on a wet well 24 in casing 16 feet deep near a dugout with a direct feed, 2 inch line from the dugout. The water in the wet well is the same level as the dugout. A drainback drinking bowl on top of the 24 inch casing prevents cold air from dropping into the well, and has a 12 volt battery or120Vac operated pump attached to it via a 1 inch water feed line. A motion eye detects the cattle and turns the pump on which fills the bowl. When the cattle are finished drinking the pump times out and the water drains back in the wet well, to below the frost line. This watering system keeps the cattle from drowning in the dugout and reduces manure loading, and keeps the riparian area intact reducing erosion. The dugouts are crystal clear in the spring when the ice melts off. Check out Kelln Solar on “youtube” to see this watering system in action with 200 head.

Note both of these winter watering systems do not freeze up because of a power outage and operate normally once power is restored.

