





50 James Street, Box 94 Lumsden Saskatchewan Canada Tel (306) 731-2224 Fax (306) 731-2774

**Situation 70 Cow/Calf Pairs, 15 ft Lift**

**Items included in System**

- 1 - Submersible centrifugal pump
- 2 - 32 watt shatterproof solar panels
- 1 - Adjustable panel stand
- 1 - Regulator & Low voltage disconnect
- 1 - 50' 5/16" rope
- 1 - Float Switch (30' relay operated)
- 1 - 60' Submersible pump cable (10 gauge)
- 1 - Battery box
- 1 - Digital multi meter
- 1 - Wiring Package (pre wired plug-in ready)
- 1 - 3' Flexible discharge hose

**CDN Price \$2,195.00**

**US Price \$1,646.25**

**Required but NOT Included**

- 2 - Batteries, Group 27 Deep Cycle
  - 1 - Pole For Panel Stand (2 3/8 O.D.)
- (GST & Shipping Extra)

**Situation 140 Cow/Calf Pairs, 15 ft Lift**

**Items included in System**

- 1 - Submersible centrifugal pump
- 2 - 64 Watt solar panels
- 1 - Adjustable panel stand
- 1 - Regulator & Low voltage disconnect
- 1 - 50' 5/16 rope
- 1 - Float switch (30' relay operated)
- 1 - 60' submersible pump cable (10 gauge)
- 1 - Battery box
- 1 - Digital multi meter
- 1 - Wiring package (pre-wired plug-in ready)
- 1 - 3' Flexible discharge hose

**CDN price \$2,595.00**

**US Price \$1,946.25**

**Required but NOT Included**

- 2 - Batteries, Group 27 Deep Cycle
  - 1 - Pole For Panel Stand (2 3/8 O.D.)
- (GST & Shipping Extra)

**Installation**

This pump is located approx. 8 ft. from shore and anchored to the shore with a 5/16 rope on the opposite bank. The solar panels are located 50 ft. from the pump. A float switch in the trough turns pump off and on as required. The batteries are located under the solar panels. A two panel system with 2 - 64 watt solar panels will deliver from a 12 volt battery 2000 to 2300 gallons/day on an average summer day.

**About Our Uni-Solar Solar Panels**

The Uni-Solar panel is very unique in several different ways. The triple junction design and technology makes it the **Leader** in the industry as far as charging capabilities. Its shatterproof construction makes it excellent for moving from pasture to pasture without the worry of having it damaged. Other features include bypass diodes, weather resistant junction boxes and its anodized aluminum frames.

**Orientation of Solar Panels**

To set optimal angle of solar panels at 12:00 pm face panels directly south and place a nail with the flat head on the solar panel. Adjust the tilt angle until the shadow of the nail is 90 degrees to the panels (or there is no shadow on the solar panels).

Do not operate the "K2" pump out of water as it requires water to lubricate the ceramic bearing.