

## Float Pump Information



- Submersible one stage centrifugal
- Floats on top of dugout
- Self priming
- Excellent for early spring and late fall operation, water drains back to source when pump shuts down so it does not freeze in the line.
- Ideally suited to water 50-400 cow/calf pairs from a dugout, surface water or well crib.
- Full Three Year Warranty on Pump
- Twenty Years on Solar Panels

### Common Pumping Situations

Situation 100 Cow/Calf Pairs, 8 ft Lift

#### Items included in System

- 1 - Submersible centrifugal pump
- 1 - 64 watt shatterproof solar panel
- 1 - Adjustable panel stand
- 1 - Regulator & Low voltage disconnect
- 1 - 50' 1 1/2" hose 50' 5/16" rope
- 1 - Float Switch (30' relay operated)
- 1 - 45' Submersible pump cable (08 gauge)
- 1 - Battery box
- 1 - Digital multi meter
- 1 - Wiring Package (pre wired plug-in ready)

**System Price \$ 1659.00**

#### Required but NOT Included

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

(GST & Shipping Extra)

Situation 200 Cow/Calf Pairs, 8 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' 1 1/2" hose 50' 5/16 rope
- 1 - Float switch (30' relay operated)
- 1 - 45' submersible pump cable (08 gauge)
- 1 - Battery box
- 1 - Digital multi meter
- 1 - Wiring package (pre-wired plug-in ready)

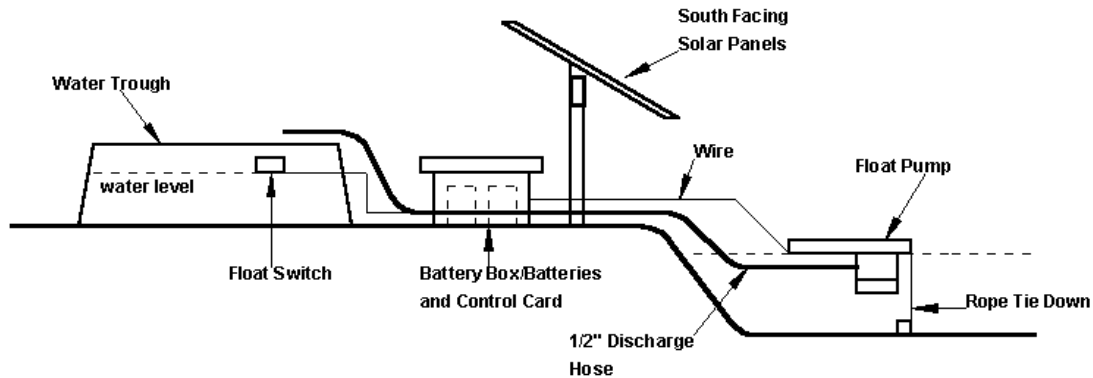
**System price \$ 2395.00**

#### Required but NOT Included

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

(GST & Shipping Extra)

## Basic setup for Float Pump



### 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. In a battery system 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 3500 to 4000 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.

### Specifications

- Power Source: Batteries or Solar Direct
- Pump Type: Centrifugal
- Motor: Permanent Magnet – Stainless steel shaft
- Voltage: 12 (15A), 24 Volt systems(8A)
- Duty Cycle: Continuous
- Submersible: Floating Submersible
- Weight: 8 lbs. 3.5 kg.