

# XR-56 Landfill Pump SOLAR DC Power Supply

The Solar power package is used to provide a renewable energy source for the control logic and communication board. The energy efficient system operates on the 20 amp hour AGM battery during non-solar charging time. Premium components are used to provide long term low maintenance operation.

Low voltage power is provided to operate the sensor, control board and the LED readout using solar panel and a solar battery for continuous duty operation. The Solar panel recharges the battery as required and is managed by the solar charge controller. The battery provides power for the system operation during non-solar charging periods. The system minimizes power consumption and can operate up to 45 days in most conditions without receiving solar charging.

The XR-56 landfill pump system uses a premium, non-maintenance, high capacity 20 amp hour AGM type battery to provide power to the system. The premium battery is rated for a 3 to 7 year life cycle. The life cycle of the batteries will vary based on environmental condition

A high efficiency 10 watt glass panel charges the battery and provides superior performance in harsh environments. The panel has a twenty-five year warranty.

The system incorporates a Morningstar solar charge controller to properly manage the current supplied to the battery. The even charging provided to the battery is another feature to extend battery life.

The battery and Morningstar charge controller are housed in a battery box that is included with the system.

The 20 amp hour battery, battery box, Morningstar solar charger and 10 watt solar panel are included with the XR-56 pump system.