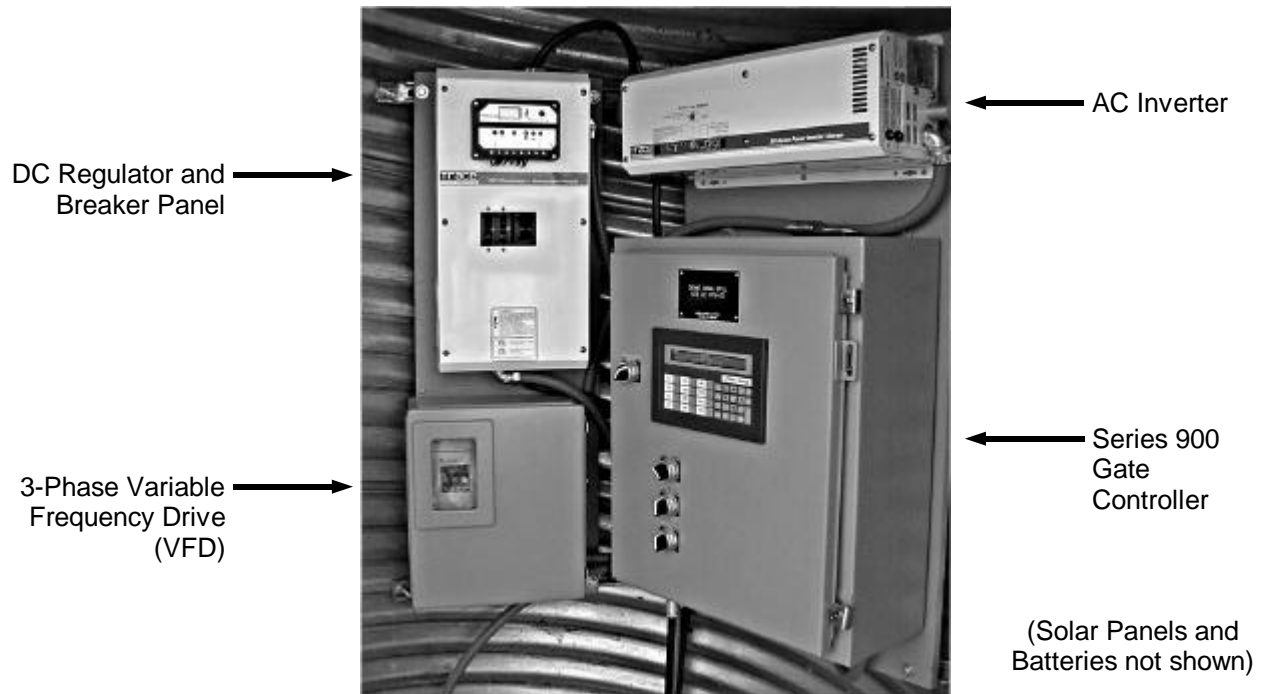




Solar Powered Irrigation Gate Controller System



Description

Sierra Control Systems, Inc. has developed a Remote Telemetry Unit and Battery/Solar Powered Gate Control System. This system is designed to automatically control and power 3-phase gate motors up to 1 HP. The 3-phase gate motor speed is controlled with a VFD. The system operates from a battery pack that is recharged by solar panels.

The Series 900 Gate Controller can control the upstream or downstream water level, or it can control the canal flow. The RTU is set up with radio telemetry to a master station (Series 900 Master Telemetry Unit) for monitoring and remote control.

The system includes:

- Series 900 Gate Controller w/radio telemetry
- Water Level Transducers Model WLT-704
- Solar Panel Array
- DC power panel with solar panel regulator
- Battery pack
- High efficiency AC power inverter
- 3-Phase Variable Frequency Drive (VFD)

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