

GPSL100 Battery Test

If the alarm beeps once every 10 seconds, the Logic Board is telling you that the battery voltage is critically low. If the operator is set to fail safe and the gate is stuck open or if the operator is set to fail secure and the gate is stuck closed, the battery could be critically low. Use the following instructions to load test the batteries.

Turn the power switch on the operator to the ON position.



Turn the AC power OFF at the circuit breaker.



Check the DC voltage on the battery while the motor is running.



The battery voltage should be over 26 VDC.

The logic board gives a low voltage alarm when the battery drops below 26 VDC.

The operator will go into the fail safe or fail secure mode when the battery voltage drops below 24 VDC.

The operator will be disabled until AC power is restored and the battery is charged to over 26 VDC.

If the battery is low, check the power supply output.

Turn the AC power ON at the circuit breaker.



Turn the power switch to the ON position and allow the logic board to power up.



Disconnect the red wire that goes to the motor drive board from the positive battery post and check the voltage across the red and black wires that go to the motor drive board



The output of the power supply should be 27.8 VDC

If the power supply has no output, check the incoming AC power.

The incoming AC power should be between 108 to 130 VAC. Be sure to check the voltage with the motor on the operator running. Check to ensure there are not large fluctuations in the power within that range.

