

Secondary Power Supply

6.1 Standby Battery

The XTLplus Series 800 mAh rechargeable battery is used to provide 4 hours of standby battery power when DC power is not available. The battery is intended for backup power only and not to operate the panel on a daily basis. If the battery is low, or not plugged into the BAT battery connector, a low battery condition is indicated by the panel. If 24 hour standby battery power is needed, connect the 3500mAh battery. See Figure 3.

Note: If removing the panel from service, disconnect the backup battery from the BAT connector.

6.2 Replacement

Use the following steps to replace the XTLplus Series standby battery. DMP recommends replacing the battery every 3 years under normal use.

1. Unplug the BAT battery connector from the XTLplus Series panel.
2. Loosen the top PCB snaps.
3. Lean the panel PCB forward and lift out from the bottom PCB snaps.
4. Remove and properly dispose of the used battery.

⚠ Caution: Risk of fire, explosion, and burns. Do not disassemble, heat above 212°F (100°C), or incinerate. Properly dispose of used batteries.

5. Place the new battery into the XTLplus Series housing base with the battery wires directed toward the bottom left corner. See Figure 3.
6. Set the XTLplus Series PCB into the bottom snaps and press into the top snaps to secure in place.
7. Plug the battery into the BAT panel connector.

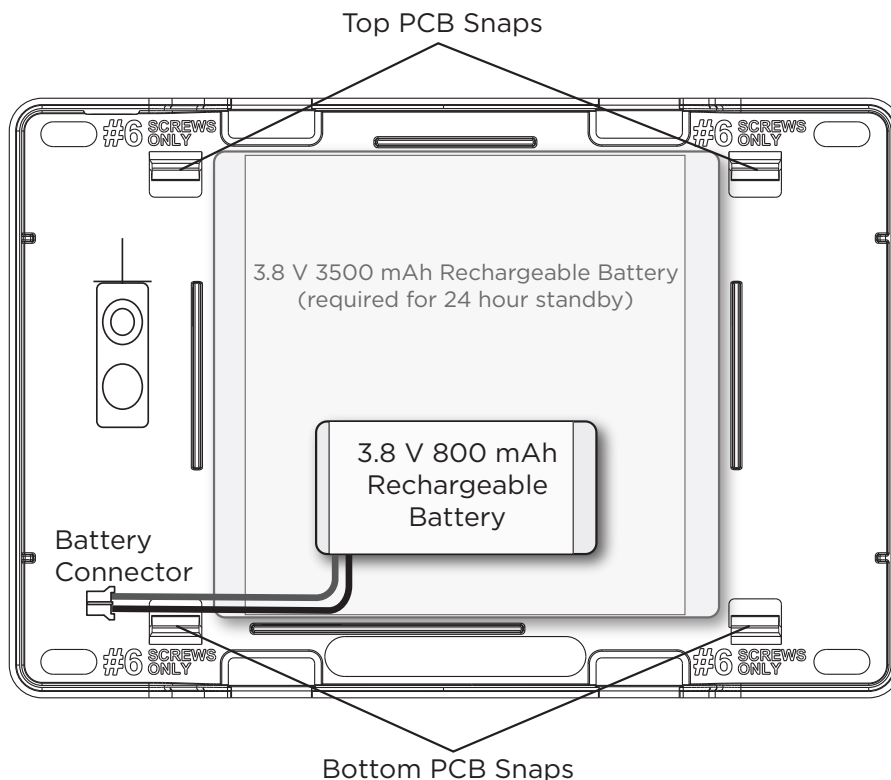


Figure 3: Standby Battery Replacement

6.3 Battery Supervision

The panel tests the battery once every hour when DC power is present. This test occurs 15 minutes past each hour and lasts for five seconds. A load is placed on the battery and if the battery voltage is low, a low battery is detected. If DC power has failed, a low battery is detected any time the battery voltage falls below 3.7V.