

**RE: RE: Review of DBL Series LED Uninterruptible Power Supply (UPS)**

**PRODUCT**

DBL Series LED Uninterruptible Power Supply (UPS) is manufactured and distributed by Econolite Canada Inc. located in Calgary, Alberta.

**VENDOR CLAIMS AND INFORMATION**

**CLAIMS**

DBL Series LED UPS is designed to provide continuous power to traffic and signal equipment. Econolite Canada is Canada's leading manufacturer and distributor of ITS and traffic management solutions. UPS (Uninterruptible Power System) devices play a vital role in day-to-day cabinet operations. In the event of a power loss or brownout in the area where the cabinet is located, the UPS will allow the intersection to continue operation until utility power is restored. Web link for this product: <http://www.econolite.ca/products/components/ups.aspx>

**DESCRIPTION**

DBL Series LED UPS incorporates fully intelligent and reliable power monitoring control and conditioning. The DBL Series LED UPS system provides double conversion true on-line design; operates in temperatures up to 74°C; continuous voltage regulation; output isolation; complete power conditioning; self-diagnostic and battery testing; excellent voltage regulation (+/- 3%); RS 232 port with monitoring software; screw terminal relay output; reset-able battery run time meter and power failure event counter.

**POTENTIAL USAGE**

DBL Series LED UPS system product offers backup power supply for traffic light intersections in the event of power failure. This product has been used at several Alberta locations. DBL Series LED UPS systems provided by Econolite Canada are rugged and well designed for a wide range of traffic applications.

**STANDARDS**

CSA Canadian Standards Association  
NEMA National Electrical Manufacturers Association

**ALBERTA TRANSPORTATION COMMENTS**

**EXPERIENCE**

Alberta Transportation has no experience with this product.

**APPLICABLE STANDARDS**

At present Alberta Transportation references the ITE specifications for traffic signals.

**RECOMMENDATIONS:**

DBL Series LED UPS system be listed as a Proven Product under Alberta Transportation Products List, Traffic Control Devices – Traffic signals – Proprietary, based on the information provided.

**TRIAL PROJECTS**

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