ECONOLITE CANADA

Vehicle & Pedestrian Signals

BBS1000Ci/2000Ci Traffic UPS

What, exactly, is the BBS1000Ci/2000Ci Traffic UPS?

The BBS 1000Ci/2000Ci is a line interactive battery backup device which plays a vital role in day-to-day intersection operation. In the event of a power loss or brownout below 100 VAC, the BBS 1000Ci/2000Ci will allow the intersection to continue operation until utility power is restored. The BBS 1000Ci/2000Ci is available in 1350 or 2000 watt output.

Why do agencies use signals?

The BBS 1000Ci/2000Ci continuously monitors the incoming AC line voltage and condition of power. In the event of a power disruption, the BBS 1000Ci/2000Ci instantly (4ms) switches to inverter AC (battery power converted to AC).

How do signals benefit the driving public?

Traffic signals increase the overall safety for all roadway users by reducing traffic collisions and providing efficient intersection operations. Traffic signals also provide a continuous movement of traffic at a defined speed along a given route which contributes to reducing commuting times.

Functional Specifications

Models BBS1000Ci/2000Cie	• Capacity: - BBS1000Ci - 1350 Watts - BBS2000Ci - 2000 Watts • Mounting - Rack or Shelf • Construction - Aluminum • Input Connection - Anderson Power Connector • Output Connection - Anderson Power Connector • Battery Connections - 50Amp Anderson Connector
Operation	• Nominal Input Voltage - 110/115/120VAC selectable • Input Range - 75 to 135VAC • Operating Frequency - 50 or 60HZ • Output Regulation - +/- 5% ON LINE. • Overload Capacity - 115% Continuous, 140% 1min • On-battery Voltage - 110/115/120VAC • Output Frequency - 50 or 60Hz - Pure sign wave • Output Protection - Electronic overload, Short circuit protected • DC Protection - Fuse or Circuit Breaker, with Reverse polarity / Short Circuit Protection
Battery Charger	• 3 Step Hysteresis type, Temperature-compensated 24VDC @12A
Efficiency	• 98% normal operation 86% on inverter
Safety Compliance	• Conforms to UL & ULc and CE
Communications	• Full duplex, RS 232 PORT-9 pin for programing or Ethernet SNMP (optional)
LEDs	• AC line, Charger, Battery Power, Low Battery, Timer

Basic Specifications

- Dimensions
  - *BBS1000Ci - 19" W x 11.2" D x 5.2" H*
  - *BBS2000Ci - 19" W x 15" D x 5.2" H*
- Weight, typical:
  - *BBS1000Ci - 31lbs*
  - *BBS2000Ci - 54lbs*
- Temperature:
  - *-34.6°F to 165.2°F (-37°C to + 74°C)*
- Humidity:
  - *10% to 90% non-condensing*
- When not running on utility AC, the UPS system will provide AC outputs as long as there is either sufficient battery voltage/capacity or other alternate AC (generator, solar, etc.) Battery run time will vary based on load and battery capacity deployed.

LCD Display	• Programmable Battery AH rating, Flash Timer setting, Event Reset, Battery Capacity, Charger, Battery Charge level ,Event logs, etc.
Dry Contacts	• On Battery, Low Battery, Timer, Alarm, Fault , and Off Line
Options	• External bypass switch • SNMP card • Extended warranty • ABM-200 external charger

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