

# BBS1000Ci/2000Ci Traffic UPS



- ▶▶ The BBS Ci Series UPS offered by Econolite allows your intersection to continue operation even in a power loss, brown out, or dirty power.

## About the BBS Ci Series 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 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). The BBS 1000Ci/2000Ci is available in 1350 or 2000 watt output. Battery backup solutions provided by Econolite are rugged and well-designed for a wide range of traffic applications.

## At A Glance

- ▶ Line interactive battery back-up system
- ▶ 1350 watts of continuous power
- ▶ Easy to understand LED's for AC Healthy, Charger, Battery Power
- ▶ 4 line LCD display
- ▶ Compatible with portable sine wave Generator power
- ▶ Temperature Compensated battery charger, means longer battery life and better charge control
- ▶ SNMP or RS 232, with full duplex communications provides all UPS parameters and information, through a laptop or computer



## Models BBS1000Ci/2000Ci

- 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

## LCD Display

- Programmable Battery AH rating, Flash Timer setting, Event Reset, Battery Capacity, Charger, Battery Charge level ,Event logs, etc.

## Audible Alarms

- Low Battery, Bypass, UPS Fail

## Dry Contacts

- On Battery, Low Battery, Timer, Alarm, Fault , and Off Line

## Options

- External bypass switch
- SNMP card
- Extended warranty
- ABM-200 external charger

## Basic Specifications

- ▶ **Temperature:** -34.6°F to 165.2°F (-37°C to + 74°C)
- ▶ **Humidity:** 10% to 90% non-condensing
- ▶ **Weight**
  - ⦿ BBS1000Ci - 31lbs
  - ⦿ BBS2000Ci - 54lbs
- ▶ **Dimensions**
  - ⦿ BBS1000Ci - 19" W x 11.2" D x 5.2" H
  - ⦿ BBS2000Ci - 19" W x 15" D x 5.2" H
- ▶ **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.**

