



The **TESCO 22-000 BBS** is a self-contained, traffic signal battery backup system designed to provide hours of uninterrupted power through weather outages and other disturbances, providing safety for drivers and law enforcement officials under hazardous conditions. It has become the standard for hundreds of agencies and departments of transportation throughout the United States and Canada.

22-000 BBS cabinets, with robust all-welded construction and stainless steel hardware, are built to NEMA and UL 508A standards, and wired to conform to NEC and UL standards. The system is appropriate for retrofit projects or new installations; and can be side-mounted to an existing controller cabinet, or installed free-standing on a concrete base.

Due to varying municipal and DOT standards, TESCO manufactures BBS systems to meet specific client requirements, including design and architectural aesthetics.

Call us and see for yourself how Tesco Controls can make a difference on your next project.

Standard BBS Features

- » 24V Parallel Hot Swap System
- » 24V 18AH batteries AGM/VRLA (absorbed glass mat/valve regulated lead acid) compact, lightweight only 26 lbs.
- » Heavy duty smart safety battery connection system, 50A silver plated plugs
- » UPS Tilt-out housing for ease of maintenance
- » Tool-free maintenance and component replacement
- » Manufacturer's 2 year warranty

Optional BBS Features

- » IP addressable web SNMP/Ethernet communications
- » Gen Set with available Automatic or Manual transfer switch
- » 30amp or 50 amp generator plug
- » 15ft S/O cord
- » Keyed lock (Corbin or Core #2)
- » 3-pt latch
- » Heater with thermostat
- » Internal light
- » External On-battery light
- » Custom enclosure colors



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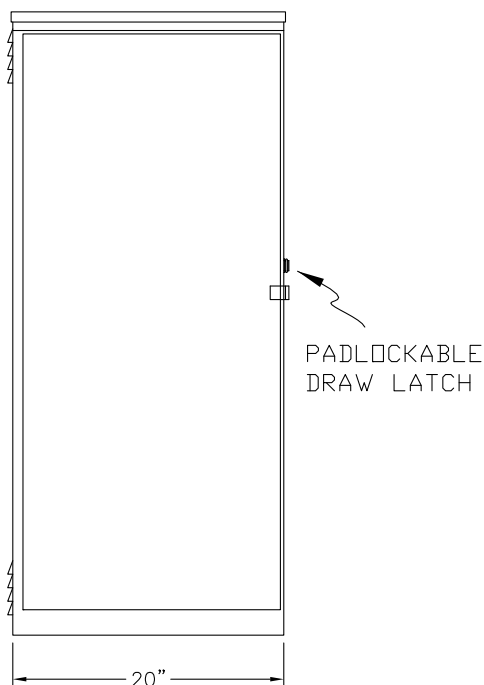
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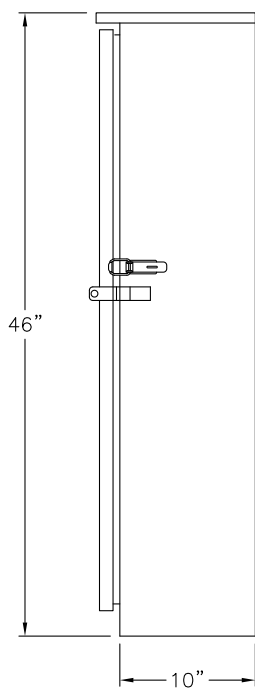
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FRONT VIEW



RIGHT SIDE

BBS Enclosure Specifications

- » Durable all welded construction
- » Compact design with ambient enclosure compensation
- » Hot-dipped galvanized steel, aluminum or stainless steel
- » No exposed nuts, bolts, screws, rivets or fasteners on exterior of enclosure
- » All fasteners, hinges, and hardware are stainless steel
- » Safety deadfront panel
- » Seismically rated framed battery shelf
- » Cabinet door is fully framed continuous hinge for flush fit with top drip lip and closed cell Neoprene flange compressed gaskets
- » Components wired and conforming to NEMA, NEC and UL standards
- » UL 508A industrial control panel design
- » Vandal resistant construction and hasp, stress rated to 2,000 lbs.

BBS System Specifications

- » 2000VA / 1300 Watts
- » 1430VA / 1000 Watts
- » Rated for 120 volt single phase
- » Typical run time 6 to 12 hours full operation, based on actual load
- » All LED intersection (Additional times available)
- » 4-8 hour recharge time to 90%, depending on battery quantity
- » Quick hot-swappable battery replacement system
- » Full power bypass and isolation switches
- » True pure sine wave
- » Transient voltage protection
- » Smart Power Analyzer with triple redundant bypass
- » Conditioned power
- » Power Conflict Monitor with isolation and transfer module
- » Watchdog timer with redundant 5 ms delay and hard transfer to utility power
- » Smart slot communications I/O module
- » RS-232 and USB ports for local or remote monitoring
- » Intelligent battery management system with microprocessor controlled smart battery charger, automatic self-test, cell guard for longer life and faster recharge times

Custom options are available. Contact Tesco Controls, Inc. for more information:

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