



The **TESCO 22 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 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. Compact, lightweight. AGM or gel cell.
- » 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

SPECIFICATIONS

MODEL 22 BBS BATTERY BACKUP SYSTEM

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
Seismic-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 / 1200 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)
3 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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