



The **TESCO 27-22 BBS** Single Meter **TESCOFLEX[®]** self-contained, **battery backup system and metered underground service distribution and control pedestal**. It is 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. The 27-200 BBS also provides power distribution and metering rated for 120 to 480 volts; single phase or three phase applications; 1, 2 or 3 pole main breakers; and may be rated at 100 amp or 200 amp.

27-22 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, 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.

Component Options

Enclosures may house any of the following depending on space & quantity:

- » Breakers
- » Time clocks
- » Heaters
- » Generator
- » Contactors
- » Time delays
- » Thermostats
- » Receptacles
- » Switches
- » Transformers
- » Terminal blocks
- » Transfer
- » Relays
- » Motor controls
- » Flasher controls
- » Switches
- » Photo cells
- » Fans
- » Receptacles

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 Anderson connectors
- » 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
- » 30 amp 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

Applications

- » Battery Backup
- » Flashing Beacon Controls
- » Landscape Irrigation
- » Parking Lot Lighting
- » Sign Lighting
- » Street Lighting
- » Traffic Signals



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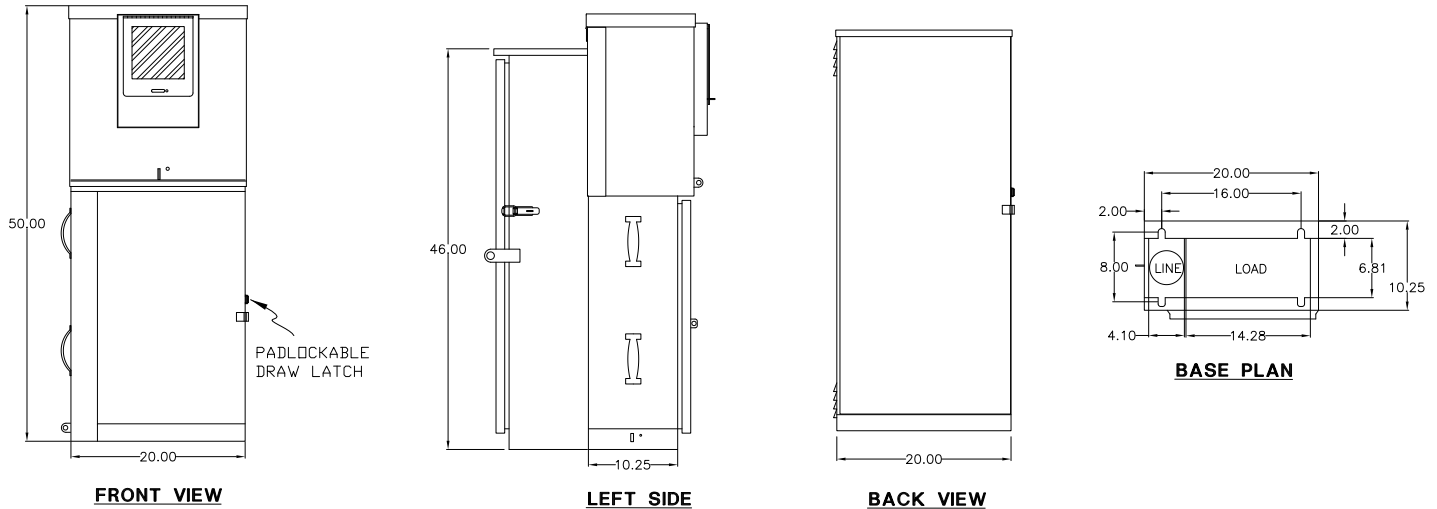
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Pedestal and BBS Enclosure Specifications

- » Metered Service Pedestal
- » Low Profile
- » 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
- » UL approved copper cable bussing and control wiring
- » Circuit breakers cable-in cable-out type
- » Factory wired and tested before shipment
- » Meets EUSERC requirements (Electric Utility Service Equipment Requirements Committee)
- » UL 508A Industrial Control Panel for Service Entrance Equipment
- » Vandal-resistant construction and hasp stress rated to 2,000 lbs.
- » Main breakers shall be 1, 2 or 3 pole
- » May be rated 120 volt up to 480 volt
- » Single or three phase
- » May be rated at 100 amp or 200 amp
- » Fully framed side-hinged outer door with swaged close tolerance sides for flush fit with top drip lip & closed cell neoprene flange compressed gaskets
- » Separate pull section
- » Service enclosure interior is fabricated from cold rolled steel and powder coated white
- » Full length deadfront with stainless steel hinge and ¼ turn latch & knurled knobs
- » Deadfront hinged on same side as the front door and opens up to 120 degrees
- » Removable backpan mounted on 4 welded ¼" studs
- » Completely prewired in the factory
- » The function of all circuit breakers, switches & other components as required shall be identified by laminated engraved plastic nameplates
- » Seismic-rated, framed battery shelf
- » Components wired and conforming to NEMA, NEC and UL standards
- » Wiring will be to NEMA IIB standards showing external connections to external equipment
- » All circuit breakers shall be mounted in a vertical position, handle up for "On" handle down for "Off"
- » All terminals are permanently labeled
- » As Built factory drawings shall be laminated and affixed to the inside of the outer door

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)
- » 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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