



TESCO Traffic 22 BBS

Self contained, metered distribution and battery backup system

SPECIFICALLY DESIGNED FOR TRAFFIC SIGNAL CONTROLLERS

UPS Panel Features:

- Retrofit and new installations
- Padmounted enclosures
- Metered or unmetered applications
- Polydulle non-reflective stainless steel weather proof enclosure. Also available in Anodized Aluminum and Hot Dipped Galvanized Steel
- Compact design with ambient enclosure compensation
- Vandal resistant construction
- No exposed nuts, bolts, screws, rivets or fasteners on exterior of enclosure
- UPS Tilt-out housing for ease of maintenance
- Seismically rated framed battery tray



- Safety deadfront panel
- Components wired and conforming to NEMA, NEC and UL standards
- UL 508 industrial control panel design
- Optional Gen Set

UPS System Features:

- 1400VA, 950 watts
- Standard run time 3 hours - all LED inter-section (Additional times available)
- Typical run time 2 hours, with 6.5 hours flash
- 6 hour recharge time to 95%
- 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
- Optional event data logger

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<http://www.tescocontrols.com>

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TESCO Traffic 22 BBS

Self contained, metered distribution and battery backup system

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- Intelligent battery management system with microprocessor controlled smart battery charger, automatic self test, cell guard for longer life and faster recharge times
- 24V 18AH batteries AGM/VRLA (absorbed glass mat/valve regulated lead acid), compact, lightweight only 26 lbs.
- Quick swap hot battery replacement system
- Heavy duty smart safety battery connection system, 30A silver plated plugs
- Manufacturer's 2 year warranty

Specifications

Cabinet Construction

- Cabinet is all welded construction, fabricated from polydulle stainless steel. Rated weatherproof NEMA 3RX. Also available in Anodized Aluminum and Hot Dipped Galvanized Steel, powder coated
- All fasteners, latches, hinges, and hardware are stainless steel
- There are no exposed nuts, bolts, screws, rivets, or other fasteners on the cabinet exterior. Cabinet door is fully framed continuous hinge with swaged dose tolerance sides for flush fit with top drip lip and dosed cell neoprene flange compressed gaskets
- Dimensions and construction to match existing service pedestal

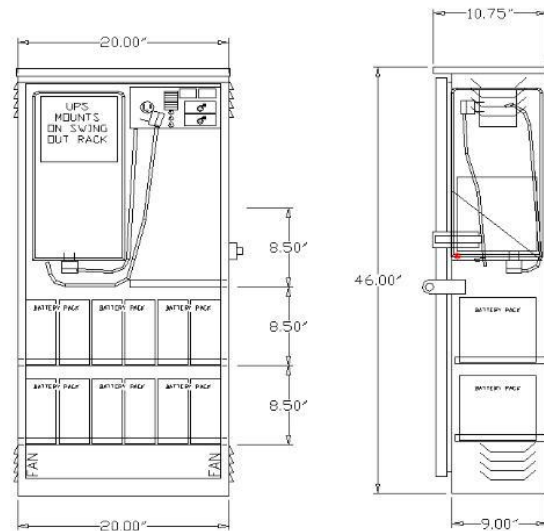
control panel design

- Vandal proof construction with vandal proof doors and hasp stress rated to 2000 lb. Interior tilt bracket for easy maintenance
- Each cabinet is factory wired and tested before shipment
- Ambient temperature enclosure compensated

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FRONT VIEW

RIGHT SIDE

- UL 508 industrial



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Self contained, metered distribution and battery backup system

I 400XL Specification Notes

Number of Slot bays	One
Cabinet Dimensions, weight (H x W x D)(in.)	46" x 20" x 9" 250 lbs with batteries
Replacement Battery Cartridge	RBC 7
Transfer Time (typical)	2 milliseconds, includes detection time
Transfer to Flash	Timed Output
On-Battery Output Voltage	True pure sine wave output at 120 Vac +/-5%, -10% after low battery warning, synchronized to utility line.
Capacity (Volt-Amps, Watts)	1400VA, 950 watts
Surge energy rating, peak current capability	460 J, 6.5kA
Normal, common mode clamping response time	0 ns, <5ns typical, meets UL 1449
Normal mode surge voltage let through (IEEE 587 Cat. A 6kV test)	<0.3% of peak typical
Batteries	Compact, sealed, maintenance-free lead acid with up to 3 year typical lifetime, individually fused.
Online Battery Replacement	Quick swap with smart plug connectors
Recharge time to 95% capacity	6 hours
Ambient Operation	10,000 ft. max. elevation, 0-95% humidity non-condensing; -37deg C (optional adder) to + 74 deg C
Temperature Tested Electronics	to 170 deg F for 8 hours
Conditioned Power	Computer quality conditioned power
UL Design	Yes
Transient Lightning Protection	160 Joules
Audible noise at 3.3 ft.	<45 dBA
Full Power Bypass & Isolation Module	SPACT and PCM for full triple redundant bypass and isolation
Extended runtime battery pack options	6 batteries standard, additional option up to 16 batteries

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