

Sentry Fail-Safe Power Tower XL

Key Features

- > **Fail-Safe:** Redundant power feeds pick up the entire load for both circuits if either power feed fails
- > **Remote Management:** Power cycle individual power outlets, or groups of power outlets, to remotely reboot servers and network devices, anywhere in the world. Or, power-off unused power receptacles
- > **Power-up Sequencing:** of outlets prevents a power in-rush overload. User adjustable sequence interval.
- > **Input Current Monitor:** Power monitoring of the aggregate load (in amps) on each power circuit via the network interface and locally on the enclosure.
- > **Authentication:** Username/password required for network administrators & user accounts. Multiple user accounts can be established with designated access rights.
- > **Web GUI:** Full configuration & control for managing and grouping outlets, user accounts and network settings
- > **Global Security Modem:** Field replaceable modem can be added any time.
- > **Add a second tower:** Connect a Power Tower Expansion Module (PTXM) to each PTXL to control up to 32 managed outlets (individual or groups).
- > **Outlet Grouping:** Group individual outlets for control of dual-power supply servers and devices with a single command.
- > **Power Distribution:** 208V-240V 20A and 30A, or 230V 32A power input options. (Phase-synchronized input power required)
- > **Environmental Monitoring:** Add temperature, humidity, water and intrusion monitoring with the EMCU-1-1B

Power Distribution, Remote Management and Redundancy for Single-Power Supply Servers



Fail-Safe Transfer Switch PTXL

The Sentry Power Tower XL (PTXL) Fail-Safe™ provides fail-over redundancy to single or dual-power supply servers and network devices. Exclusive to the PTXL Fail-Safe is its ability to carry loads on the A circuit, B circuit or both and to remotely manage the outlets.

Similar, but unlike a common automatic transfer switch, the PTXL Fail-Safe unit is unique in that it contains two (2) in-feeds with two (2) banks of eight (8) outlets each, for a total of 16 outlets across the two circuits.

The "A" infeed routinely powers just the A1-8 outlets, and the "B" in-feed routinely powers just the B1-8 outlets. However, if the "A" infeed goes down, the "B" infeed powers all 16 outlets and if the "B" infeed goes down, the "A" infeed powers all the outlets. Typical transfer times occur in less than 18 milliseconds depending on the type of load.

This "Fail-Safe" method has several advantages compared to a standard ATS because it does not prohibit load balancing between the two supplied circuits. A standard ATS contains two in-feeds, but runs all outlets from just one source, with the secondary source only being used once an outage occurs on the primary infeed. The "Fail-Safe" method differs in that both circuits are routinely loaded, but only to half capacity. This results in less heat and consequently less of a voltage drop compared to the same load existing on just one source. Only when an outage occurs on one of the two sources will the entire load be applied to a single source.

Model	Available Input Voltages	Amperage	Available Input Cord	Outlets	Dimensions (L x W x D)
PTXL-HF16-1-02 PTXM-HF16-1-02*	100-120 VAC 50/60 Hz	20A	Two IEC 60320/C20 Power Inlets	(16) NEMA 5-20R	17.2 x 3.50 x 10.0in (437 x 89 x 254 mm)
PTXL-HF16-1-05 PTXM-HF16-1-05*	100-120 VAC 50/60 Hz	30A	Two NEMA L5-30P Cord Sets 10ft (3m)	(16) NEMA 5-20R	17.2 x 3.50 x 10.0in (437 x 89 x 254 mm)
PTXL-HF16-2-02 PTXM-HF16-2-02*	208-240 VAC 50/60 Hz	20A	Two IEC 60320/C20 Power Inlets	(16) IEC 60320/C13	17.2 x 3.50 x 10.0in (437 x 89 x 254 mm)
PTXL-HF16-2-06 PTXM-HF16-2-06*	208-240 VAC 50/60 Hz	30A	Two NEMA L6-30P Cord Sets 10ft (3m)	(16) IEC 60320/C13	17.2 x 3.50 x 10.0in (437 x 89 x 254 mm)
PTXL-HF16-2-00B PTXM-HF16-2-00B*	230 VAC 50/60 Hz	32A	IEC 60309 Cord Set, 10ft (3m)	(16) IEC 60320/C13	17.2 x 3.50 x 10.0in (437 x 89 x 254 mm)

*PTXM part number refers to the expansion CDU

Additional Features and Specifications

Agency Approvals

- > US & Canada (cTUVus mark) to UL 60950-1:2003 and CAN/CSA 22.2 No. 60950-1-03
- > European Union (TUVGS mark) to EN 60950-1:2001
- > FCC Class A, Part 15
- > CE
- > EMC to EN 55022 Class A, EN 55024, CISPR 22 Class A

Communications and Security

- > 10/100 BaseT Ethernet
- > HTTP/HTTPS
- > SSLv3/TLSv1
- > SNMPv2
- > SSHv2
- > Telnet
- > LDAPS/LDAPv3
- > TACACS+
- > RADIUS
- > RS-232 (Serial)

Branch Circuit Protection

- > Compliant to UL 60950-1

Warranty

- > 2 years

LED Indicators

- > On Sense indicates receptacle power status
- > Input Current Monitor dynamically displays cumulative current load

Accessories

- > Optional Temperature & Humidity Probe
 - EMTH-1-1 Temperature & Humidity Probe, 10ft (3m)
- > Environmental Monitor
 - EMCU-1-1 allows up to (2) temperature & humidity probes, (1) water sensor, (4) dry contact closures, (1) analog-to-digital contact sensor. Includes (1) temperature/humidity probe with unit.
- > SPM (Sentry Power Manager) Appliance:
 - Monitor and Manage multiple Sentry CDU's
 - Monitor and Manage all alarm conditions
 - Reporting and Trending
 - Group or Cluster outlets for reboot and power information
- > Global Security Modem
 - C-HPT, add out-of-band dial-up access to the PTXL Switched CDU with this v.92 data modem. Includes Callback Security feature for a higher level of security against unauthorized access.

Power Cord Options

- > PTCORD-1 IEC 60320/C19 - NEMA L6-20P , 10ft (3m)
- > PTCORD-2 IEC 60320/C19 - Schuko 10ft (3m)
- > PTCORD-3 IEC 60320/C19 - IEC 60309 (BS4343, CEE17) 16/20A Blue (UK Commando) 10ft (3m)
- > PTCORD-4 IEC 60320/C19 - BS1363 13A (UK) 10ft (3m)
- > PTCORD-5 IEC 60320/C19 - 5-15P (15A Straight-Blade) 10ft (3m)
- > PTCORD-6 IEC 60320/C19 - 5-20P (20A Straight-Blade) 10ft (3m)
- > PTCORD-7 IEC 60320/C19 - L5-20P (20A Twist-Lock) 10ft (3m)



Server Technology

HEADQUARTERS - NORTH AMERICA
 Server Technology, Inc.
 1040 Sandhill Drive
 Reno, NV 89521
 United States
 1.775.284.2000 Tel
 1.775.284.2065 Fax
 sales@servertech.com
 www.servertech.com
 www.servertechblog.com

EMEA
 Server Technology Intl
 Sienna Court
 The Broadway
 Maidenhead
 Berkshire
 SL6 1NJ
 United Kingdom
 +44 (0) 1628 509053 Tel
 +44 (0) 1628 509100 Fax
 salesintl@servertech.com

APAC
 Server Technology Intl
 37th Floor, Singapore Land Tower
 50 Raffles Place
 Singapore 048623
 +65 (0) 6829 7008 Tel
 +65 (0) 6234 4574 Fax
 salesintl@servertech.com

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