

SmartOnline .75kVA On-Line Double-Conversion UPS, Tower, 100/110/120V NEMA outlets

MODEL NUMBER: **SU750XL**



Description

The SU750XL on-line, double-conversion UPS protects critical server, networking or telecommunications equipment from blackouts, brownouts, voltage fluctuations and surges. Large-capacity 750VA/600W UPS continuously converts incoming AC to DC, then back to perfect sine wave AC output at 120V AC (+/-2%). Removes harmonic distortion, fast electrical impulses, frequency fluctuations and other hard-to-solve power problems not addressed by other UPS systems. True sine wave output and zero transfer time offer guaranteed compatibility with all equipment types. Includes 6 UPS supported outlets; 2 single-outlet load banks can be independently controlled via a software interface to selectively reboot remote equipment or shed less critical loads to extend battery runtime for the most critical equipment. Extended runtime available with optional BP24V15RT2U, BP24V28-2U, or BP24V70-3U external battery packs. Includes slot for internal SNMP/WEB card, plus DB9 enhanced serial monitoring port for unattended shutdown, remote control and monitoring of UPS system and power data. Includes USB and DB9 serial ports. Built-in DB9 port offers both enhanced RS-232 enabled monitoring data, plus contact closure monitoring ability. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. Includes Tripp Lite's PowerAlert UPS power management software. Compatible with Tripp Lite's Watchdog service monitoring/rebooting software. Upright tower form factor; attractive all-black color scheme.

Features

- True on-line, double-conversion UPS provides constant, pure sine wave AC output
- Maintains continuous operation with zero transfer time through blackouts, brownouts, voltage fluctuations and surges
- Removes harmonic distortion, electrical impulses, frequency variations and other hard-to-solve power problems
- Accepts input voltages between 80-150V (65-150V at loads under 70%), regulating output to 120V AC +/-2%
- 750VA/600W output capacity with 6 x NEMA5-15R outlets
- Two built-in individually switchable load banks can be controlled via software interface to selectively reboot remote equipment or shed less critical loads to extend battery runtime for the most critical equipment (1 outlet per bank)
- Standard internal battery set provides 11 min. runtime at half load and 4 min. at full load
- Extended runtime available with optional BP24V15RT2U, BP24V28-2U, or BP24V70-3U external battery packs
- Some external battery configurations require the use of Tripp Lite's External Battery Configuration Software (see manual)

Highlights

- 750VA / .75kVA / 600 watt on-line double-conversion tower UPS
- 100/110/120V +/-2% output at 50/60Hz, high efficiency economy mode option
- Expandable runtime, Hot-swappable battery modules
- USB, RS232 & EPO ports; support for SNMP/WEB card options
- Front panel status LEDs with detailed load and battery metering
- 2 independently switchable output load banks
- NEMA 5-15P input; 5-15R outlets

Package Includes

- SU750XL UPS System
- PowerAlert Software CD and cabling
- EPO (Emergency Power Off) cabling
- Owner's manual with warranty information



- HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- DB9 serial network interface supports RS-232 and contact closure messaging
- Slot for optional SNMP/WEB card (part# SNMPWEBCARD)
- Included PowerAlert UPS power management software and cabling provides monitoring of in-depth site power conditions, full UPS status and fault warnings, output load level and load bank power control
- Compatible with Tripp Lite's WatchDog service monitoring/rebooting software (part# WATCHDOGSW)
- Fault tolerant electronic bypass maintains utility output during a variety of UPS fault conditions
- Diagnostic LEDs
- Upright tower format; attractive all-black color scheme
- \$250,000 Ultimate Lifetime Insurance (U.S., Canada, and Puerto Rico only)

Specifications

| OUTPUT | |
|--|--|
| Output Volt Amp Capacity (VA) | 750 |
| Output Watt Capacity (Watts) | 600 |
| Power Factor | 0.8 |
| Crest Factor | 3:1 |
| Nominal Output Voltage(s) Supported | 100V; 110V; 120V |
| Nominal Voltage Details | 120V default |
| Frequency Compatibility | 50 / 60 Hz |
| Frequency Compatibility Details | Output frequency matches input nominal on startup, defaults to 60 Hz on cold-start |
| Output Voltage Regulation (Line Mode) | +/- 2% |
| Output Voltage Regulation (Battery Mode) | +/- 2% |
| UPS Output Receptacles | 6 5-15R outlet(s) |
| Output Receptacles | Two switchable single-outlet 5-15R load banks |
| Output AC Waveform (AC Mode) | Sine wave |
| Output AC Waveform (Battery Mode) | Pure Sine wave |
| INPUT | |
| Rated input current (Maximum Load) | 6.2A |
| Nominal Input Voltage(s) Supported | 100V AC; 110V AC; 120V AC |
| UPS Input Connection Type | 5-15P |
| Input Circuit Breakers | 15A |
| UPS Input Cord Length (ft.) | 10 |
| UPS Input Cord Length (m) | 3 |



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|---|---|
| Recommended Electrical Service | 15A 120V |
| Input Phase | Single-Phase |
| BATTERY | |
| Full Load Runtime (min.) | 4 min. (600w) |
| Half Load Runtime (min.) | 11 min. (300w) |
| External Battery Pack Compatibility | BP24V15RT2U (limit 1); BP24V28-2U (limit 1); BP24V70-3U (multi-pack compatible) |
| DC System Voltage (VDC) | 24 |
| Battery Recharge Rate (Included Batteries) | Less than 6 hours from 10% to 90% (typical, full load discharge) |
| Internal UPS Replacement Battery Cartridge | RBC24-SUTWR |
| Battery Access | Battery access door |
| Battery Replacement Description | Hot-swappable, user replaceable batteries |
| VOLTAGE REGULATION | |
| Voltage Regulation Description | Online, double-conversion power conditioning |
| Overvoltage Correction | 2% output voltage regulation during overvoltages to 150 |
| Undervoltage Correction | 2% output voltage regulation during undervoltages to 80 |
| Severe Undervoltage Correction | 2% output voltage regulation during undervoltages to 65 (under 70% load only) |
| LEDS ALARMS & SWITCHES | |
| LED Indicators | 14 LEDs indicate line power, online mode, bypass mode, on-battery, overload, battery low, replace battery and fault status information - includes 4-LED meter display for load and battery charge level |
| Audible Alarm | Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions |
| Alarm Cancel Operation | Power-fail alarm can be silenced using alarm-cancel switch |
| Switches | 2 Switches control off/on power status and alarm-cancel/self-test operation |
| SURGE / NOISE SUPPRESSION | |
| UPS AC Suppression Joule Rating | 570 |
| UPS AC Suppression Response Time | Instantaneous |
| UPS Dataline Suppression | 1 line TEL/DSL (1 in / 1 out); 10/100Base T Ethernet |
| EMI / RFI AC Noise Suppression | Yes |
| PHYSICAL | |
| Installation Form Factors Supported with Included Accessories | Tower |
| Primary Form Factor | Tower |



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| UPS Power Module Dimensions (hwd, in.) | 10 x 6.8 x 13.2 |
| UPS Power Module Dimensions (hwd, cm) | 25.4 x 17.1 x 33.7 |
| UPS Power Module Weight (lbs.) | 28.7 |
| UPS Power Module Weight (kg) | 13 |
| UPS Shipping Dimensions (hwd / in.) | 14.2 x 10 x 18.5 |
| UPS Shipping Dimensions (hwd / cm) | 36.2 x 25.4 x 47 |
| Shipping Weight (lbs.) | 34.2 |
| Shipping Weight (kg) | 15.5 |
| Cooling Method | Fan |
| UPS Housing Material | Steel |
| ENVIRONMENTAL | |
| Operating Temperature Range | +32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius |
| Storage Temperature Range | +5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius |
| Relative Humidity | 0 to 95%, non-condensing |
| AC Mode BTU / Hr. (Full Load) | 304.8 |
| Battery Mode BTU / Hr. (Full Load) | 304.8 |
| AC Mode Efficiency Rating (100% Load) | 87% |
| Audible Noise | < 45 dB at front side 1m |
| COMMUNICATIONS | |
| Communications Interface | USB (HID enabled); DB9 Serial; Contact closure; EPO (emergency power off); Slot for SNMP/Web interface |
| Network Monitoring Port Description | Supports detailed monitoring of UPS and site power conditions; DB9 port supports RS232 and contact closure communications |
| PowerAlert Software | Included |
| Communications Cable | USB and DB9 cabling included |
| WatchDog Compatibility | Supports Watchdog application, OS and hard-reboot restart options for remote applications |
| LINE / BATTERY TRANSFER | |
| Transfer Time | No transfer time (0 ms.) in online, double-conversion mode |
| Low Voltage Transfer to Battery Power (Setpoint) | 80V (100% load), 65V (<70% load) |
| High Voltage Transfer to Battery Power (Setpoint) | 150 |
| SPECIAL FEATURES | |



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| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported |
| High Availability UPS Features | Automatic inverter bypass; Hot swappable batteries |
| Green Energy-Saving Features | Individually controllable load banks |
| CERTIFICATIONS | |
| UPS Certifications | Tested to UL1778 (USA); Tested to CSA (Canada); Meets FCC Part 15 Category B (EMI) |
| WARRANTY | |
| Product Warranty Period (Worldwide) | 2-year limited warranty |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$250,000 Ultimate Lifetime Insurance |

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