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Model #: SU750XL

SmartOnline Expandable Tower UPS System - On-line, double-conversion protection for mission-critical applications



Highlights

- 750VA/600W on-line expandable runtime tower UPS system
- HID-compliant USB port, serial port and SNMP/WEB card slot
- Maintains 120V +/-2% output during overvoltages to 138V and brownouts as low as 65V
- NEMA 5-15P (120V 15A) input plug, 6 x NEMA 5-15R outlets, two individually controllable single-outlet load banks
- Fault-tolerant auto-bypass
- \$250,000 [Ultimate Lifetime Insurance](#) (USA & Canada only)

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.

Package Includes

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

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 80-138V (65-138V 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
- 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 auto-bypass maintains continuous utility output to connected equipment, even in cases where the UPS is overloaded or suffers an internal failure that requires service
- Diagnostic LEDs
- Upright tower format; attractive all-black color scheme
- \$250,000 Ultimate Lifetime [connected equipment insurance](#) (USA & Canada only)
- 2-year warranty

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	750
Output Watt Capacity (watts)	600
Output 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%
Built-in UPS output receptacles	6 5-15R outlet(s)
Built-in controllable switched load banks	Two switchable single-outlet 5-15R load banks
Basic PDU options	PDU1215 (1U / 13 5-15R outlets); PDUNV (1U / 2 C19, 12 C13 outlets); PDU1415 (0U / 14 5-15R outlets); PDUV15 (0U / 12 5-15R outlets)
Metered PDU options	PDUMH15 (1U / 13 5-15R outlets); PDUMH15AT (1U / 8 5-15R outlets)*; PDUMV15 (0U / 16 5-15R outlets)
Switched PDU options	PDUMH15ATNET (1U / 8 5-15R outlets)*; PDUMV15NET (0U / 16 5-15R outlets)
External PDU redundancy options	*ATS switch options PDUMH15AT & PDUMH15ATNET support dual UPS and hot-swappable UPS configurations
Output AC waveform (AC mode)	Sine wave
Output AC waveform (battery mode)	Sine wave
INPUT	

Rated input current (at maximum load)	6.2A
Nominal Input Voltage(s) Supported	100V AC; 110V AC; 120V AC
UPS input connection type	5-15P
Input circuit breaker	15A
UPS Input cord length (ft.)	10
UPS Input cord length (m)	3
Recommended Electrical Service	15A 120V
BATTERY	
Full load runtime (minutes)	4 min. (600w)
Half load runtime (minutes)	11 min. (300w)
External battery pack compatibility	BP24V15RT2U (limit 1); BP24V28-2U (limit 1); BP24V70-3U (multi-pack compatible)
DC system voltage	24V DC
Battery recharge rate (included batteries)	Less than 6 hours from 10% to 90%
Replacement battery cartridge (internal UPS battery replacement)	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 138
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
Alarms	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 or 10Base T Ethernet protection
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Installation form factors supported with included accessories	Tower
Primary form factor	Tower
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	10 x 6.8 x 13.2
UPS / Power Module dimensions in primary form factor (height x width x depth / 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 (height x width x depth / inches)	14.2 x 10 x 18.5
UPS Shipping dimensions (height x width x depth / cm)	36.2 x 25.4 x 47
Shipping weight (lbs)	34.2
Shipping weight (kg)	15.5
UPS housing material	Steel
Cooling method	Fan
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
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 (
High voltage transfer to battery power (setpoint)	138
SPECIAL FEATURES	
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 & high efficiency features	Individually controllable load banks
CERTIFICATIONS	
UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Meets FCC Part 15 Category B (EMI); Meets FCC Part 68 / Industrie Canada (telecommunications); ROHS (Reduction of Hazardous Substances)
WARRANTY	
Standard warranty period	2 years
Connected equipment insurance (USA, Canada, Puerto Rico)	\$250,000 connected equipment insurance

Related Items

Optional Products

Product Type	Related Model	Description	Qty.
Shutdown Cable Kits	AS400CABLE KIT	Power Management Tools - UPS Communication Cable Kit for System i / AS400 / iSeries Servers	-
External Battery Packs	BP24V15RT2U	BP24V15RT2U - External Battery Pack for UPS System	-
External Battery Packs	BP24V28-2U	BP24V28-2U - External Battery Pack for UPS System	-
External Battery Packs	BP24V70-3U	BP24V70-3U - External Battery Pack for UPS System	-
Surge Protectors	DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	-
Surge Protectors	DNET1	Network Surge Suppressor - Essential protection for data and communication lines	-
Surge Protectors	DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	-

SNMP Accessories	ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	-
Power Distribution	PDU1215	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	-
Power Distribution	PS7224	Tripp Lite Power Strip - Multiple outlets wherever you need them	-
SNMP Accessories	SNMPWEBCARD	For remote monitoring and control via SNMP, Web, or Telnet.	-
Extended Warranties	WEXT3-500-1500	3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	-
Extended Warranties	WEXT5-500-1500	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	-

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=3299.