SmartOnline 120V 750VA 600W Double-Conversion UPS, Tower, Extended Run, Network Card Options, USB, DB9 Serial

MODEL NUMBER: **SU750XL**

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; Network management 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
- USB, DB9 and EPO cabling
- EPO (Emergency Power Off) cabling
- Owner's manual with warranty information

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 network management card options. 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. Tripp Lite's PowerAlert UPS power management software is available via free download. 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
- Intelligent battery management system extends battery life
- Some external battery configurations require the use of Tripp Lite's External Battery Configuration Software (see manual)
- 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
- Compatible with Tripp Lite UPS management card options TLNETCARD, WEBCARDLX, SNMPWEBCARD, MODBUSCARD and RELAYIOCARD
- USB & Serial ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from www.tripplite.com/poweralert
- 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 (Economy Line Mode)	+/-10%
Output Voltage Regulation (Battery Mode)	+/- 2%
Output Receptacles	(6) 5-15R
Load Management 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)	3.0
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
Expandable Runtime	Yes

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)

USER INTERFACE, ALERTS & CONTROLS	
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation
Alarm Cancel Operation	Power-fail alarm can be silenced using alarm-cancel switch
Audible Alarm	Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions
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

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	
Primary Form Factor	Tower
UPS Power Module Dimensions (hwd, in.)	10 x 6.8 x 13.2
UPS Power Module Dimensions (hwd, cm)	25.40 x 17.27 x 33.53
UPS Power Module Weight (lbs.)	28.7
UPS Power Module Weight (kg)	13.02
UPS Shipping Dimensions (hwd / in.)	14.2 x 10 x 18.5
UPS Shipping Dimensions (hwd / cm)	36.07 x 25.40 x 46.99
Shipping Weight (lbs.)	34.2
Shipping Weight (kg)	15.5
Cooling Method	Fan
UPS Housing Material	Steel
Primary UPS Height (mm)	254
Primary UPS Width (mm)	173
Primary UPS Depth (mm)	335
Shipping Height (mm)	361

Shipping Width (mm)	254
Shipping Depth (mm)	470

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)	306
AC Economy Mode BTU / Hr. (Full Load)	63
AC Mode Efficiency Rating (100% Load)	87%
AC Economy Mode Efficiency Rating (100% Load)	97%
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 Management Cards	SNMPWEBCARD; TLNETCARD; WEBCARDLX; MODBUSCARD; RELAYIOCARD
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions; DB9 port supports RS232 and contact closure communications; Economy-mode setting option is available using PowerAlert software and DB9 Serial cable connection OR via select Network Management Card options
PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at http://www.tripplite.com/poweralert
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	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Automatic inverter bypass; Hot swappable batteries

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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