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
- 120V +/-2% output at 50/60Hz, high efficiency economy mode option
- Expandable runtime, Hot-swappable battery modules
- USB, RS232 and 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
- To use the Auto Probe feature, this product requires a WEBCARDLX network interface (sold separately) running LX firmware update 15.5.2 or later

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 six UPS supported outlets; two 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 macOS. PowerAlert® UPS power management software is available via free download. Compatible with 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 External Battery Configuration Software (see manual)

- HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and macOS

- DB9 serial network interface supports RS-232 and contact closure messaging

- Compatible with UPS management card options TLNETCARD, WEBCARDLX, SNMPWEBCARD, MODBUSCARD and RELAYIOCARD

- USB & Serial ports enable data-saving unattended shutdown when used with PowerAlert software, available via FREE download from tripplite.eaton.com/products/power-alert

- Compatible with 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

OVERVIEW	
UPC Code	037332126160
UPS Type	On-Line

INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	6.2A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-15P
Input Circuit Breakers	15A
UPS Input Cord Length (ft.)	10
UPS Input Cord Length (m)	3.1
Recommended Electrical Service	15A 120V

OUTPUT	
Output Capacity (VA)	750
Output Capacity (kVA)	0.75
Output Capacity (Watts)	600
Output Capacity (kW)	0.6
Output Capacity Details	OVERLOAD CAPACITY: Supports inverter operation up to 105% load continuously, 125% load for 3 minutes; 150% load for 30 seconds and >150% load for 0.5 seconds before switching to BYPASS (when bypass input voltage and frequency are WITHIN bypass limits) or SHUTDOWN (when bypass input voltage or frequency are OUTSIDE bypass limits)
Power Factor	0.8

Crest Factor	3:1
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%
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
Nominal Output Voltage(s) Supported	120V
Output Receptacles	(6) 5-15R
Individually Controllable Load Banks	Yes

BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	4 min. (600W)
Runtime Half Load (min.)	11 min. (300W)
Expandable Runtime	Yes
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)
Battery Access	Battery access door
Internal UPS Replacement Battery Cartridge	RBC24-SUTWR
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)

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
Cooling Method	Fan
Installation Form Factors Supported with Included Accessories	Tower
Primary UPS Depth (mm)	335
Primary UPS Height (mm)	254
Primary UPS Width (mm)	173
Shipping Dimensions (hwd / in.)	13.90 x 10.00 x 17.90
Shipping Dimensions (hwd / cm)	35.31 x 25.40 x 45.47
Shipping Weight (lbs.)	31.80
Shipping Weight (kg)	14.42
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	25.40 x 17.27 x 33.53
UPS Power Module Dimensions (hwd, in.)	10 x 6.8 x 13.2
UPS Power Module Weight (kg)	13.02
UPS Power Module Weight (lbs.)	28.7
Unit Weight (lbs.)	28.7000
Unit Weight (kg)	13.02

ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 122°F (-15° to 50°C)
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

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 software at https://tripplite.eaton.com/products/power-alert
Communications Cable	USB and DB9 cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Network Management Card Description	Network management card optional
Communications Interface	Contact closure; DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB (HID enabled)

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

FEATURES & SPECIFICATIONS

Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Auto Probe Monitoring and Reboot (requires WEBCARDLX); Automatic inverter bypass; Hot swappable batteries; Remote management; Surge/noise protection; Zero transfer time

APPLICATIONS

UPS Applications	Mission Critical Applications

STANDARDS & COMPLIANCE

Product Certifications	CSA (Canada); UL 1778
Product Compliance	RoHS; FCC Part 15 Class B (USA)

WARRANTY & SUPPORT

Product Warranty Period (Worldwide)	2-year limited warranty

Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

1000 Eaton Boulevard

Cleveland, OH 44122

United States

https://tripplite.eaton.com