



SmartOnline 120V 3kVA 2.4kW Double-Conversion UPS, Tower, Extended Run, Network Card Options, USB, DB9 Serial

MODEL NUMBER: SU3000XL







3000VA / 3kVA / 2400 watt on-line, double-conversion UPS system for critical server, network and telecommunications equipment. Attractive upright tower format. Expandable battery runtime with optional BP72V15-2U (limit 1), BP72V28RT-3U (multi-pack compatible) and BP72V18-2US (multi-pack compatible) external battery packs. Full time sine wave 120V output with +/-2% voltage regulation. Uninterruptible Power Supply (UPS) actively converts raw incoming AC power to DC, then re-converts output back to completely regulated, filtered AC output. Operates continuously without using battery power during brownouts to 65V and overvoltages to 150V. Up to 97% efficiency in optional economy mode saves BTU heat output and energy costs. NEMA L5-30P input plug. NEMA L5-30R, NEMA 5-15/20R and NEMA 5-15R output receptacles. Network-grade AC surge and noise suppression. Zero transfer time between AC and battery operation. Network management interfaces include USB port, DB9 serial port and slot for network management card options. 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. Supports simultaneous detailed monitoring of equipment load levels, self-test data and mains power conditions via all network interfaces. PowerAlert UPS management software is available for free download. Emergency Power Off (EPO) interface. Integrated two bank PDU switching supports automated load shedding and remote-reboot of connected equipment. Multi-stage metered current monitoring and battery charge status LEDs. Mains power and voltage regulation LEDs. Audible Alarm. Self-test. Fault-tolerant auto-bypass mode. Field replaceable, hot swappable internal batteries and external battery packs. \$250,000 Ultimate Lifetime Insurance (U.S., Canada, and Puerto Rico only).

Features

- SmartOnline high-performance UPS system is ideal for critical voice, data, medical and industrial network applications
- Optional economy-mode operation with 97% efficiency for reduced power consumption and cooler operation
- Economy mode is schedulable via PowerAlert UPS management software for daily or weekly hours of
 operation to enable precision output during peak operating hours and high efficiency, low BTU emission
 operation during off-peak times
- · Maintains continuous operation through blackouts, voltage fluctuations and surges
- On-line, double-conversion mode provides perfectly regulated sine wave output within 2% of 120V with zero transfer time
- Supports operation at 50/60Hz (auto-sensing)

Highlights

- 3000VA / 3kVA / 2400 watt online double-conversion tower UPS
- 120V +/-2% output at 50/60Hz, high efficiency economy mode option
- Expandable runtime, Hotswappable batteries
- 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 L5-30P input; L5-30R, 5-15/20R & 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

- SU3000XL Online, Double-Conversion UPS System
- USB, DB9 and EPO cables
- Instruction manual with warranty information





- Removes harmonic distortion, fast electrical impulses, frequency variations and other hard to solve power problems not addressed by other UPS types
- Corrects line voltage conditions as low as 65V and as high as 150V to within 2% of selected nominal voltage
- Standard internal battery set offers 14 minutes runtime at half load (1200W) and 5 minutes at full load (2400W)
- Expandable battery runtime with optional BP72V15-2U (limit 1), BP72V28RT-3U (multi-pack compatible) and BP72V18-2US (multi-pack compatible) 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)
- Fault tolerant electronic bypass maintains utility output during a variety of UPS fault conditions
- Network interfaces support simultaneous communications via built-in USB, DB9 serial / contact-closure and slot for network management card options
- Compatible with Tripp Lite UPS management card options TLNETCARD, WEBCARDLX, SNMPWEBCARD, MODBUSCARD and RELAYIOCARD
- HID compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X.
- USB & Serial ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from <u>tripplite.eaton.com/products/power-alert</u>
- Built-in Emergency Power Off (EPO) interface with cable
- NEMA L5-30P input plug / NEMA 5-15R, 5-15/20R & L5-30R output receptacles
- Integrated 2 bank switched PDU enables remote outlet management for load shedding or remote reboot
 of individual load banks
- Front panel LEDs offer current monitoring and battery charge level information
- Network grade AC, TEL/DSL or ethernet line surge suppression
- · Field replaceable, hot swappable internal batteries and external battery packs
- \$250,000 Ultimate Lifetime Insurance (U.S., Canada, and Puerto Rico only)

Specifications

OVERVIEW	
UPC Code	037332119926
UPS Type	On-Line
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	24A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	L5-30P
Input Circuit Breakers	40A
UPS Input Cord Length (ft.)	10
UPS Input Cord Length (m)	3.1
Recommended Electrical Service	30A 120V





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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 bypass limits) or SHUTDOWN (when bypass input voltage and bypass limits) or SHUTDOWN (when bypass input voltage or frequency are OUTSIDE Power Factor 0.8 Crest Factor 3.1 Frequency Compatibility Details Output frequency matches input nominal on startup, defaults to 60 Hz on cold-start Output Voltage Regulation (Line +/- 2% Output Voltage Regulation (Eatery) +/- 0% Coupt Voltage Regulation (Battery) +/- 2% Voltage Regulation (Line +/- 2% Mode) +/- 2% Load Management Receptacles Two switchable four-outlet load banks, (bank 1 - four 5-15/20R, bank 2 - four 5-15R outlets) Output Voltage Regulation (Eatery) Pure Sine wave Output AC Waveform (AC Mode) Pure Sine wave Output AC Waveform (AC Mode) Pure Sine wave Output Receptacles (4) 5-15/20R; (1) L5-30R Individually Controllable Load Banks Yes Battery Type Valve Regulated Lead Acid (VRLA) Runtime Full Load (min.) 5 min. (2400w) <t< td=""><td>Output Capacity (Watts)</td><td>2400</td></t<>	Output Capacity (Watts)	2400	
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Battery Recharge Rate (Included Less than 6 hours from 10% to 80% (typical, full load discharge)	External Battery Pack Compatibility	:	





Internal UPS Replacement Battery Cartridge	RBC96-3U
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 & CON	ITROLS
Switches	2 switches control off/on power status and alarm-cancel/self-test operation
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, economy/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)	521
Primary UPS Height (mm)	262
Primary UPS Width (mm)	229
Shipping Dimensions (hwd / in.)	14.70 x 23.10 x 12.60
Shipping Dimensions (hwd / cm)	37.34 x 58.67 x 32.00
Shipping Weight (lbs.)	76.77
Shipping Weight (kg)	34.82
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	26.16 x 22.86 x 52.07
UPS Power Module Dimensions (hwd, in.)	10.3 x 9 x 20.5





UPS Power Module Weight (kg)	31.43	
UPS Power Module Weight (lbs.)	69.3	
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)	1117	
AC Economy Mode BTU / Hr. (Full Load)	253	
AC Mode Efficiency Rating (100% Load)	88%	
AC Economy Mode Efficiency Rating (100% Load)	97%	
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	1225	
Audible Noise	< 45 dB at front side 1m	
COMMUNICATIONS		
Network Management Cards	SNMPWEBCARD; <a class="productLink" href="//tripplite.eaton.com/Web-Management-Accessory-Card-
SmartPro-SmartOnline-UPS-Systems~TLNETCARD">TLNETCARD ; WEBCARDLX; MODBUSCARD ; <a <br="" class="productLink">href="//tripplite.eaton.com/Programmable-Relay-I-O-Card~RELAYIOCARD">RELAYIOCARD </a 	
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	





Auto Probe Monitoring and Reboot (requires WEBCARDLX); Automatic inverter bypass; Expandable battery backup; Hot swappable batteries; On-Line/Double-Conversion; Remote management; Sine wave output; Surge/noise protection; Zero transfer time
High efficiency economy mode operation; Greater than 95% efficiency - GREEN UPS; Individually controllable load banks; Schedulable daily hours of economy mode operation
Mission Critical Applications
CSA (Canada); NOM (Mexico); UL 1778
RoHS; FCC Part 15 Class A (USA)
2-year limited warranty
\$250,000 Ultimate Lifetime Insurance

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