# SmartOnline 230V 3kVA 2.1kW Double-Conversion UPS, Tower, Network Card Options, DB9 Serial

MODEL NUMBER: **SUINT3000XL**



## Highlights

- 3000VA on-line, double-conversion, extended-run tower UPS system
- Maintains 220/230/240V selectable output within +/-2% during overvoltages to 280V and brownouts as low as 80V (50/60Hz auto-sensing)
- Network communications supported via serial port and network management card options
- Fault-tolerant auto-bypass and current monitoring
- Input: C20 inlet / Output: 8 x C13 outlets (3 x C13-to-C14 jumper cables included)

## Package Includes

- SUINT3000XL UPS System
- Serial cable
- 3 C13-to-C14 jumper cables
- Owner's manual with warranty information

## Description

Tripp Lite's SmartOnline SUINT3000XL on-line, double-conversion UPS protects critical server, networking and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Space-saving upright tower format. Large capacity 3000VA/2100W UPS continuously converts incoming AC to DC, then back to perfect sine wave AC output at selectable 220/230/240V AC (+/-2%). Removes harmonic distortion, fast electrical impulses, frequency fluctuations and other hard-to-solve power problems not addressed by other UPS types. True sine wave output and zero transfer time offers guaranteed compatibility with all equipment types. Includes 8 C13 outlets. Battery support can be extended through the addition of external battery packs. Includes slot for internal network management card options, plus DB9 enhanced serial monitoring port for unattended shutdown, remote control and monitoring of UPS system and power data.

## Features

- True on-line, double conversion UPS provides pure sine wave AC output at all times
- Maintains continuous operation with zero transfer time through blackouts, voltage fluctuations and surges
- Removes harmonic distortion, electrical impulses, frequency variations and other hard-to-solve power problems
- Corrects brownouts and overvoltages from 175-280V at full load. Input voltage range extends to 80-280V at 50% load or less
- 3000VA/2100W power capacity with 8 C13 outlets
- IEC320-C20 input connection accepts a variety of detachable cordsets to match country or site-specific wall receptacles
- Standard internal battery set provides 14 min. runtime at half load and 5 min. runtime at full load
- Intelligent battery management system extends battery life
- Expandable runtime with multiple external battery packs

- DB9 serial port for network interface; SNMP compatible
- Compatible with Tripp Lite UPS management card options TLNETCARD, WEBCARDLX, SNMPWEBCARD, MODBUSCARD and RELAYIOCARD
- Serial port enables data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from tripplite.eaton.com/products/power-alert
- Fault tolerant electronic bypass maintains utility output during a variety of UPS fault conditions
- Diagnostic LEDs
- Optional PDUBHV20 bypass PDU enables hot-swappable UPS replacement with no disruption to connected equipment
- 3 C13-to-C14 jumper cables included

# Specifications

| OVERVIEW | |
|---|---|
| UPC Code | 037332128607 |
| UPS Type | On-Line |

| INPUT | |
|---|---|
| Input Phase | Single-Phase |
| Rated input current (Maximum Load) | 13.6A (220V), 13A (230V), 12.5A (240V) |
| Nominal Input Voltage(s) Supported | 220V AC; 230V AC; 240V AC |
| UPS Input Connection Type | C20 inlet |
| UPS Input Connection Description | IEC320-C20 input connection accepts a variety of detachable cordsets to match country or site-specific wall receptacles |
| Input Circuit Breakers | 20A |

| OUTPUT | |
|---|---|
| Output Capacity (VA) | 3000 |
| Output Capacity (kVA) | 3 |
| Output Capacity (Watts) | 2100 |
| Output Capacity (kW) | 2.1 |
| Power Factor | 0.7 |
| Crest Factor | 3:1 |
| Nominal Voltage Details | 230V default |
| Frequency Compatibility | 50 / 60 Hz |
| Frequency Compatibility Details | Output frequency matches input nominal on startup, defaults to 50 Hz on cold-start |
| Output Voltage Regulation (Line Mode) | +/- 2% |
| Output Voltage Regulation (Economy Line Mode) | +/- 10% |

| | |
|---|---|
| Output Voltage Regulation (Battery Mode) | +/- 2% |
| Included Output Power Cables | Includes 3 C13 to C14 output power cables |
| Hot-Swap PDU options | PDUBHV20 (2U / 6 C13, 2 C19 outlets) |
| Output AC Waveform (AC Mode) | Sine wave |
| Output AC Waveform (Battery Mode) | Pure Sine wave |
| Nominal Output Voltage(s) Supported | 220V; 230V; 240V |
| Output Receptacles | (8) C13 |
| Individually Controllable Load Banks | No |

| **BATTERY** | |
|---|---|
| Runtime Full Load (min.) | 5 min. (2100w) |
| Runtime Half Load (min.) | 14 min. (1050w) |
| Expandable Runtime | Yes |
| External Battery Pack Compatibility |  <a class="productLink" href="//tripplite.eaton.com/External-72V-2U-RackTower-Battery-Pack-for-Select-Tripp-Lite-UPS-Systems~BP72V15-2U">BP72V15-2U</a>  (limit 1);  <a class="productLink" href="//tripplite.eaton.com/External-72V-3U-Rack-Tower-Battery-Pack-Select-Tripp-Lite-UPS-systems~BP72V28RT-3U">BP72V28RT-3U</a>  (multi-pack compatible) |
| DC System Voltage (VDC) | 72 |
| Battery Recharge Rate (Included Batteries) | Less than 6 hours from 10% to 90% |
| 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 280 |
| Undervoltage Correction | 2% output voltage regulation during undervoltages to 175 |
| Severe Undervoltage Correction | 2% output voltage regulation  during undervoltages to 80 (under 50% 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, economy/bypass mode, on-battery, overload, battery low, replace battery and fault status information; 4-LED meter displays load and battery charge levels |

| **SURGE / NOISE SUPPRESSION** | |
|---|---|
| UPS AC Suppression Joule Rating | 570 |

| UPS AC Suppression Response Time | Instantaneous |
|---|---|
| EMI / RFI AC Noise Suppression | Yes |

| **PHYSICAL** | |
|---|---|
| Primary Form Factor | Tower |
| Cooling Method | Fan |
| Primary UPS Depth (mm) | 424 |
| Primary UPS Height (mm) | 373 |
| Primary UPS Width (mm) | 140 |
| Shipping Dimensions (hwd / in.) | 18.80 x 10.00 x 23.40 |
| Shipping Dimensions (hwd / cm) | 47.75 x 25.40 x 59.44 |
| Shipping Weight (lbs.) | 71.20 |
| Shipping Weight (kg) | 32.30 |
| UPS Housing Material | Steel |
| UPS Power Module Dimensions (hwd, cm) | 37.34 x 13.97 x 42.42 |
| UPS Power Module Dimensions (hwd, in.) | 14.7 x 5.5 x 16.7 |
| UPS Power Module Weight (kg) | 30.48 |
| UPS Power Module Weight (lbs.) | 67.2 |

| **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) | 758 |
| Battery Mode BTU / Hr. (Full Load) | 950 |
| AC Mode Efficiency Rating (100% Load) | 90% |
| AC Economy Mode Efficiency Rating (100% Load) | 94% |
| 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</a> ;  <a class="productLink" href="//tripplite.eaton.com/Web-Management-Accessory-Card~WEBCARDLX">WEBCARDLX</a> ;  <a class="productLink" href="//tripplite.eaton.com/MODBUS-Management-Accessory-Card-UPS-Remote-Monitoring-Control~MODBUSCARD">MODBUSCARD</a> ;  <a 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 |
| 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 | DB9 cabling included |
| Communications Interface | DB9 Serial; Contact closure; Slot for SNMP/Web interface |

### LINE / BATTERY TRANSFER

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|---|---|
| Transfer Time | No transfer time (0 ms.) in online, double-conversion mode |
| Low Voltage Transfer to Battery Power (Setpoint) | 175V (100% load), 80V ( <50% load) |
| High Voltage Transfer to Battery Power (Setpoint) | 280 |

### FEATURES & SPECIFICATIONS

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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 |

### WARRANTY & SUPPORT

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|---|---|
| Product Warranty Period (Worldwide) | 2-year limited warranty |