

MODEL NUMBER: **SUINT2000XL**

SmartOnline 230V 2kVA 1.4kW Double-Conversion UPS, Tower, Network Card Options, C20 inlet, DB9 Serial



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- 2000VA on-line, double-conversion, extended run tower UPS
- Maintains sine-wave 220/230/240V +/-2% output 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
- C20 inlet, C13 outlets, 3 C13 to C14 power cables included
- Fault-tolerant auto-bypass and current monitoring

Overview

Tripp Lite's SmartOnline SUINT2000XL 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 2000VA/1400W 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 offer guaranteed compatibility with all equipment types. Includes 8 C13 outlets. Battery support can be extended with external battery packs. Includes slot for internal network management card, 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 brownout and overvoltages from 175-280V at full load. Input voltage range extends to 80-280V at 50% load or less
- 2000VA/1400W 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 optional external battery packs
- DB9 serial port for network interface; SNMP compatible
- Compatible with Tripp Lite UPS management card options TLNETCARD (<http://www.tripplite.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~TLNETCARD>), WEBCARDLX (<http://www.tripplite.com/Web-Management-Accessory-Card-WEBCARDLX>), SNMPWEBCARD (<http://www.tripplite.com/SNMP-Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~SNMPWEBCARD>), MODBUSCARD (<http://www.tripplite.com/MODBUS-Management-Accessory-Card-UPS-Remote-Monitoring-Control~MODBUSCARD>) and RELAYIOCARD (<http://www.tripplite.com/Programmable-Relay-I-O-Card~RELAYIOCARD>)
- Serial port enables data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from www.tripplite.com/poweralert
- Fault tolerant electronic bypass maintains utility output during a variety of UPS fault conditions
- Diagnostic LEDs
- Optional PDUBHV20 (<http://www.tripplite.com/3.2-3.8kW-Single-Phase-Hot-Swap-PDU-200-240V-16A-6-C13-2-C19-2-C20-200-240V-Input-6ft-Cords-2U-Rack-Mount~PDUBHV20>) bypass PDU enables hot-swappable UPS replacement with no disruption to connected equipment
- 3 C13-to-C14 power cables included

Package Includes

- SUINT2000XL UPS System
- DB9 serial cable
- 3 C13-to-C14 jumper cables
- Owner's manual with warranty information



(/company/environmental-statement)



Specifications

OUTPUT

Output Volt Amp Capacity (VA)	2000
Output kVA Capacity (kVA)	2
Output Watt Capacity (Watts)	1400
Output kW Capacity (kW)	1.4
Power Factor	0.7
Crest Factor	3:1
Nominal Output Voltage(s) Supported	220V; 230V; 240V
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%
Output Receptacles	(8) C13
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

INPUT

Rated input current (Maximum Load)	7.4A (220V), 7.1A (230V), 6.8 (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
Input Phase	Single-Phase

BATTERY

Full Load Runtime (min.)	5 min. (1400w)
Half Load Runtime (min.)	14 min. (700w)
Expandable Battery Runtime	Extended runtime supported via optional external battery packs
External Battery Pack Compatibility	BP72V15-2U (http://www.tripplite.com/External-72V-2U-RackTower-Battery-Pack-for-Select-Tripp-Lite-UPS-Systems-BP72V15-2U~BP72V15-2U) (limit 1); BP72V28RT-3U (http://www.tripplite.com/External-72V-3U-Rack-Tower-Battery-Pack-Select-Tripp-Lite-UPS-systems-BP72V28RT-3U~BP72V28RT-3U)(multi-pack compatible)
DC System Voltage (VDC)	72
Battery Recharge Rate (Included Batteries)	Less than 4 hours from 10% to 90% (typical, full load discharge)
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 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 - 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
EMI / RFI AC Noise Suppression	Yes

PHYSICAL

Primary Form Factor	Tower
UPS Power Module Dimensions (hwd, cm)	37.34 x 13.97 x 42.42
UPS Power Module Weight (kg)	30.48
UPS Shipping Dimensions (hwd / cm)	49.28 x 24.89 x 60.45
Shipping Weight (kg)	33.5
Cooling Method	Fan
UPS Housing Material	Steel
Primary UPS Height (mm)	373
Primary UPS Width (mm)	140
Primary UPS Depth (mm)	424
Shipping Height (mm)	493
Shipping Width (mm)	249
Shipping Depth (mm)	605

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)	523
Battery Mode BTU / Hr. (Full Load)	749
AC Mode Efficiency Rating (100% Load)	90%
AC Economy Mode Efficiency Rating (100% Load)	94%
Audible Noise	< 45 dB at front side 1m

COMMUNICATIONS

Communications Interface	DB9 Serial; Slot for SNMP/Web interface
Network Management Cards	SNMPWEBCARD (http://www.tripplite.com/SNMP-Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~SNMPWEBCARD); TLNETCARD (http://www.tripplite.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~TLNETCARD); WEBCARDLX (http://www.tripplite.com/Web-Management-Accessory-Card~WEBCARDLX); MODBUSCARD (http://www.tripplite.com/MODBUS-Management-Accessory-Card-UPS-Remote-Monitoring-Control~MODBUSCARD); RELAYIOCARD (http://www.tripplite.com/Programmable-Relay-I-O-Card~RELAYIOCARD)
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions; DB9 port supports RS232 communications
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	DB9 cabling included

LINE / BATTERY TRANSFER

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

SPECIAL FEATURES

Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Automatic inverter bypass

CERTIFICATIONS

UPS Certifications	CE
UPS Certification Details	CE EN62040-1-1, EN62040-2 Class A

WARRANTY

Product Warranty Period (Worldwide)	2-year limited warranty
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Frequently Asked Questions

- ⊕ What is economy mode for UPS systems?

Additional FAQs may be available on the SUINT2000XL model support page (/support/SUINT2000XL).

Accessories

⊖ UPS BATTERY PACKS



(/external-72v-2u-racktower-battery-pack-for-select-tripp-lite-ups-systems-bp72v15-2u~BP72V152U/)

BP72V15-2U

(/external-72v-2u-racktower-battery-pack-for-select-tripp-lite-ups-systems-bp72v15-2u~BP72V152U/)

External 72V 2U Rackmount Battery Pack for select Tripp Lite UPS Systems (BP72V15-2U)

[More...](#) (/external-72v-2u-racktower-battery-pack-for-select-tripp-lite-ups-systems-bp72v15-2u~BP72V152U/)

[Where To Buy \(/where-to-buy/resellers\)](#)



(/external-72v-3u-rack-tower-battery-pack-select-tripp-lite-ups-systems-bp72v28rt-3u~BP72V28RT3U/)

BP72V28RT-3U

(/external-72v-3u-rack-tower-battery-pack-select-tripp-lite-ups-systems-bp72v28rt-3u~BP72V28RT3U/)

External 72V 3U Rack/Tower Battery Pack for select Tripp Lite UPS systems (BP72V28RT-3U)

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⊕ MANAGEMENT HARDWARE

⊕ POWER DISTRIBUTION UNITS (PDUS)

Similar Products



(/smartonline-230v-3kva-2.1kw-double-conversion-ups-tower-snpmpwebcard-option-db9-serial~SUINT3000XL/)

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

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Resources

Documentation

- Runtime Chart for UPS Model SUINT2000XL (/www.tripplite.com/shared/techdoc/Runtime-Chart/SUINT2000XL-Runtime-Chart-EN.pdf) [📄](#)
- SUINT2000XL runtime chart (/www.tripplite.com/shared/techdoc/Runtime-Chart/SUINT2000XL-Runtime-Chart-EN.pdf) [📄](#)

Product Literature

- UPS 230V Brochure 953431 (English) (/www.tripplite.com/shared/literature/Brochure/Uninterrupted-Power-Source-Brochure-230V.pdf) [📄](#)
- Integrated Solutions Brochure 953479 (English) (/www.tripplite.com/shared/literature/Brochure/Tripp-Lite-Integrated-Solutions-Brochure-9533AD-EN-Domestic.pdf) [📄](#)
- UPS System Output Voltage Selection Instructions Flyer (English) (/www.tripplite.com/shared/literature/Flyer/UPS-Output-Voltage-Selector-Instructions.pdf) [📄](#)
- Common Power Problems and Power Protection Solutions White Paper 120v (English) (/www.tripplite.com/shared/literature/White-Paper/Common-Power-Problems-and-Power-Protection-Solutions-White-Paper-EN.pdf) [📄](#)
- Common Power Problems and Power Protection Solutions White Paper 230v (English) (/www.tripplite.com/shared/literature/White-Paper/Common-Power-Problems-and-Power-Protection-Solutions-White-Paper-230v-EN.pdf) [📄](#)
- UPS Systems 230V Brochure (Chinese) (/www.tripplite.com/shared/literature/Brochure/UPS-Systems-230v-Brochure-Chinese.pdf) [📄](#)

Useful Web Pages

- UPS Systems Buying Guide (/www.tripplite.com/products/ups-buying-guide) [🔗](#)
- Single-Phase vs. 3-Phase Power (/www.tripplite.com/products/single-vs3-phase) [🔗](#)
- Custom Products from Tripp Lite Are One Call Away (/www.tripplite.com/products/custom-products) [🔗](#)
- Economy Mode Explained (/www.tripplite.com/products/economy-mode) [🔗](#)
- Top 12 Questions to Consider When Choosing UPS Systems for Network/Server Applications (/www.tripplite.com/support/articles/articleid/top-12-questions-when-choosing-a-network-ups) [🔗](#)
- UPS Sizing (/www.tripplite.com/products/ups-sizing) [🔗](#)

Product Images

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SUPPORT

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Tripp Lite is a manufacturer of solutions to power, connect, secure and protect equipment for IT environments. From the largest data center to the smallest home office, Tripp Lite products keep your equipment running effectively and efficiently. Outstanding reliability, competitive pricing and exceptional service have been Tripp Lite trademarks for over 95 years.

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