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

MODEL NUMBER: **SUINT3000XL**

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

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

- 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 www.tripplite.com/poweralert

- 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	
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
Input Phase	Single-Phase

OUTPUT	
Output Volt Amp Capacity (VA)	3000
Output kVA Capacity (kVA)	3
Output Watt Capacity (Watts)	2100
Output kW 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

Full Load Runtime (min.)	5 min. (2100w)
Half Load Runtime (min.)	14 min. (1050w)
Expandable Battery Runtime	Extended runtime supported via optional external battery packs
Expandable Runtime	Yes
External Battery Pack Compatibility	BP72V15-2U (limit 1); BP72V28RT-3U (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

Cooling Method	Fan
Primary Form Factor	Tower
Primary UPS Depth (mm)	424
Primary UPS Height (mm)	373
Primary UPS Width (mm)	140
Shipping Dimensions (hwd / cm)	47.75 x 25.40 x 59.44
Shipping Dimensions (hwd / in.)	18.80 x 10.00 x 23.40
Shipping Weight (kg)	32.30
Shipping Weight (lbs.)	71.20
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 ; 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
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
Communications Interface	DB9 Serial; Contact closure; Slot for SNMP/Web interface

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

STANDARDS & COMPLIANCE

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

WARRANTY

Product Warranty Period (Worldwide)	2-year limited warranty