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

MODEL NUMBER: **SUINT2000XL**





Highlights

- 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

Package Includes

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

Description

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, 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 power cables included

Specifications

OVERVIEW	
UPC Code	037332128591
UPS Type	On-Line
INPUT	
Input Phase	Single-Phase
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
OUTPUT	
Output Capacity (VA)	2000
Output Capacity (kVA)	2
Output Capacity (Watts)	1400
Output Capacity (kW)	1.4
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. (1400w)
Runtime Half Load (min.)	14 min. (700w)
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 4 hours from 10% to 90% (typical, full load discharge)
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 - 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
Cooling Method	Fan
Primary UPS Depth (mm)	424
Primary UPS Height (mm)	373
Primary UPS Width (mm)	140
Shipping Dimensions (hwd / in.)	18.90 x 9.80 x 23.30
Shipping Dimensions (hwd / cm)	48.01 x 24.89 x 59.18
Shipping Weight (lbs.)	65.40
Shipping Weight (kg)	29.66
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)	523
AC Mode Efficiency Rating (100% Load)	90%
AC Economy Mode Efficiency Rating (100% Load)	94%
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	749
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 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; 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
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Automatic inverter bypass
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty

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