

SmartOnline 120V 3kVA 2.7kW Double-Conversion UPS, 3U Rack/Tower, Extended Run, WEBCARDLX Network Interface, LCD, USB, DB9

MODEL NUMBER: **SU3000RTXLCD3N**



Protects connected mission-critical equipment against damage, downtime and data loss due to blackouts, brownouts, power surges and line noise. Pre-installed Network Management Card permits remote UPS management.

Description

The SU3000RTXLCD3N SmartOnline® 120V 3kVA 2.7kW On-Line Double-Conversion UPS provides battery backup and AC power protection against blackouts, brownouts, power surges and line noise that can damage electronics or destroy data. It converts AC input to DC power, and then converts DC to fully regulated sine wave AC output with +/-2% voltage regulation in online and battery modes.

Featuring four NEMA 5-15R and four 5-15/20R outlets in switchable numbered load banks, as well as one L5-30R outlet and an L5-30P input, the SU3000RTXLCD3N has an internal battery that provides 11 minutes of support at half load and four minutes at full load. Adding external battery packs, such as BP72V15-2U (sold separately), provides extended runtime.

The Java-free HTML5-based WEBCARDLX interface enables full remote access for site power and UPS status monitoring, configuration, control and email notifications via secure web browser, SNMP, telnet or SSH. It supports 10/100 Mbps auto-sensing for optimum communication with an Ethernet network.

Optional EnviroSense2 modules (sold separately) provide a variety of environmental monitoring capabilities. Protocols supported include HTTP, HTTPS, SMTP, SNMPv1, SNMPv2, SNMPv3, telnet, SSH, FTP, DHCP and NTP.

An interactive LCD panel displays operating conditions and diagnostic data, such as load, voltage and battery levels. You can set operating modes to reflect your protection priorities, including an optional economy mode that saves heat output and energy costs.

Highlights

- Zero transfer time suitable for advanced network applications
- 2% output voltage regulation in online and battery modes
- Expandable runtime with optional external battery packs
- Pre-installed WEBCARDLX network interface
- 11 min. runtime at half load; 4 min. at full load
- To enable the Auto Probe feature, this product requires LX firmware update 15.5.2 or later to be installed

Package Includes

- SU3000RTXLCD3N SmartOnline 120V 3kVA 2.7kW On-Line Double-Conversion UPS
- Pre-installed WEBCARDLX network interface
- USB cable
- DB9 cable
- EPO cable
- Mounting hardware
- Owner's manual



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Features

Protects Mission-Critical Rack-Mounted Equipment Provides fully regulated sine wave AC output for servers, network storage devices and telecom hardware +/-2% voltage regulation in online and battery modes Selectable 100/110/120/127V output voltage 4 NEMA 5-15R, 4 5-15/20R and 1 L5-30R outlets 10 ft. power cord with NEMA L5-30P input 570-joule surge suppression rating

Reliable Battery Backup with Expandable Runtime Supports half load for 11 min. and full load for 4 min. Zero transfer time suitable for advanced network applications Expandable runtime with optional external battery packs, such as Tripp Lite's BP72V15-2U Battery independent restart ensures automatic UPS power-up after lengthy power outages, even with expired batteries

Pre-Installed WEBCARDLX Network Interface Allows full remote access for power monitoring, configuration, control and email notifications via secure web browser, SNMP, telnet or SSH Optional EnviroSense2 sensors (sold separately) enable site monitoring of temperature, humidity and contact-closure status

Switchable Numbered Load Banks Outlets are divided into 2 numbered load banks, each of which may be individually powered on and off remotely to reset or reboot connected equipment

Interactive LCD Screen Reports detailed status information, including load, voltage and battery levels Offers advanced configuration and setup options, including output voltage and operating mode

EMI/RFI Line Noise Filtering Removes electromagnetic and radio frequency interference that can disrupt or damage equipment's performance

Communications Ports USB and DB9 ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software (available via free download from www.tripplite.com/poweralert) EPO port supports emergency shutdown in large facilities

Versatile Installation Options Hardware included for 4-post mounting in 3U of EIA-standard 19 in. rack Mounts on wall or 2-post rack with optional 2POSTRMKITHDM Mounts in upright tower position with optional 2-9USTAND

Specifications

OVERVIEW	
UPC Code	037332194596
UPS Type	On-Line
INPUT	
Rated input current (Maximum Load)	24A
Nominal Input Voltage(s) Supported	100V AC; 110V AC; 115V AC; 120V AC; 127V AC
Nominal Input Voltage Description	120V factory default
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
Input Phase	Single-Phase
OUTPUT	
Output Volt Amp Capacity (VA)	3000
Output kVA Capacity (kVA)	3
Output Watt Capacity (Watts)	2700

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Internal UPS Replacement Battery Cartridge	 RBC96-3U </td></tr><tr><td>Battery Access</td><td>Front panel battery access</td></tr><tr><td>Battery Replacement Description</td><td>Hot-swappable, user replaceable batteries</td></tr><tr><td>Expandable Runtime</td><td>Yes</td></tr><tr><td data-cs="2" data-kind="parent">VOLTAGE REGULATION</td><td data-kind="ghost"></td></tr><tr><td>Voltage Regulation Description</td><td>Online, double-conversion power conditioning maintains 2% output voltage regulation during brownouts and overvoltages</td></tr><tr><td>Overvoltage Correction</td><td>Corrects overvoltages to 150V (0-100% load)</td></tr><tr><td>Undervoltage Correction</td><td>Corrects undervoltages to 100V at full load (90V at 100V nominal)</td></tr><tr><td>Severe Undervoltage Correction</td><td>Corrects brownouts to 70V (70% load) & 55V (33% load)</td></tr><tr><td data-cs="2" data-kind="parent">USER INTERFACE, ALERTS & CONTROLS</td><td data-kind="ghost"></td></tr><tr><td>Front Panel LCD Display</td><td>Front panel LCD information and configuration screen offers detailed UPS and site power status and operating data, plus configuration of voltage, frequency, operating mode, alarm function and a variety of additional options</td></tr><tr><td>Switches</td><td>2 switches control off/on power status and alarm-cancel operation; 2 additional scroll-down and scroll-up / select options enable LCD status viewing and configuration options</td></tr><tr><td>Alarm Cancel Operation</td><td>Power-fail alarm can be temporarily silenced using alarm-cancel switch; silent mode alarm configuration option available</td></tr><tr><td>Audible Alarm</td><td>Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions</td></tr><tr><td>LED Indicators</td><td>7 front panel LEDs indicate line power availability, AC to DC conversion, battery mode operation, inverter mode, eco mode operation, bypass mode operation and AC output status</td></tr><tr><td data-cs="2" data-kind="parent">SURGE / NOISE SUPPRESSION</td><td data-kind="ghost"></td></tr><tr><td>UPS AC Suppression Joule Rating</td><td>570</td></tr><tr><td>UPS AC Suppression Response Time</td><td>Instantaneous</td></tr><tr><td>UPS Dataline Suppression</td><td>1 line TEL/DSL (1 in / 1 out); 10/100Base T Ethernet</td></tr><tr><td>EMI / RFI AC Noise Suppression</td><td>Yes</td></tr><tr><td data-cs="2" data-kind="parent">PHYSICAL</td><td data-kind="ghost"></td></tr><tr><td>Cooling Method</td><td>Fan</td></tr><tr><td>Included Mounting Accessory Description</td><td>Includes 4 post rackmount installation accessories</td></tr><tr><td>Installation Form Factors Supported with Optional Accessories</td><td>2 post rackmount (2POSTRMKITHD </td></tr><tr><td>Minimum Required Rack Depth with External Battery Pack (cm)</td><td>81</td></tr><tr><td>Minimum Required Rack Depth with External Battery Pack (in.)</td><td>32</td></tr><tr><td>Minimum Required Rack Depth without External Battery Pack (cm)</td><td>77</td></tr></table></div><div data-bbox="484 974 511 985" data-label="Page-Footer"><p>4 / 6</p></div>
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Minimum Required Rack Depth without External Battery Pack (in.)	30.5
Primary Form Factor	Rackmount
Primary UPS Depth (mm)	660
Primary UPS Height (mm)	133
Primary UPS Width (mm)	451
Rack Height	3U
Shipping Dimensions (hwd / cm)	30.48 x 58.42 x 83.82
Shipping Dimensions (hwd / in.)	12.00 x 23.00 x 33.00
Shipping Weight (kg)	54.20
Shipping Weight (lbs.)	119.50
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	13.34 x 45.08 x 66.04
UPS Power Module Dimensions (hwd, in.)	5.25 x 17.75 x 26
UPS Power Module Weight (kg)	33.57
UPS Power Module Weight (lbs.)	74
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	5 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	801
AC Economy Mode BTU / Hr. (Full Load)	188
Battery Mode BTU / Hr. (Full Load)	1626
AC Economy Mode Efficiency Rating (100% Load)	98%
Audible Noise	50 dBA at 1m front side
Operating Elevation (m)	Up to 3000m
COMMUNICATIONS	
Network Management Cards	 WEBCARDLX
Network Monitoring Port Description	Includes pre-installed WEBCARDLX Network Management Card; 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	USB and DB9 cabling included



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WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Communications Interface	Contact closure; DB9 Serial; EPO (emergency power off); Pre-installed network card; Slot for SNMP/Web interface; USB (HID enabled)
LINE / BATTERY TRANSFER	
Transfer Time	Zero (0 milliseconds) in double-conversion mode; 4 milliseconds economy mode
Low Voltage Transfer to Battery Power (Setpoint)	55V at 33% load, 70V at 70% load, 100V at 100% load (90V full load at 100V nominal setting)
High Voltage Transfer to Battery Power (Setpoint)	150
SPECIAL FEATURES	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Automatic inverter bypass; Hot swappable batteries; Auto Probe Monitoring and Reboot (included); Zero transfer time; On-Line/Double-Conversion
Green Energy-Saving Features	High efficiency economy mode operation; Individually controllable load banks; Schedulable daily hours of economy mode operation
STANDARDS & COMPLIANCE	
UPS Certifications	Meets FCC Part 15 Category A (EMI); ROHS (Restriction of Hazardous Substances); Tested to CSA (Canada); Tested to UL1778 (USA)
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 Ultimate Lifetime Insurance

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