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.

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 modesSelectable 100/110/120/127V output voltage4 NEMA 5-15R, 4 5-15/20R and 1 L5-30R outlets10-ft. (3.05 m) power cord with NEMA L5-30P input570-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 applicationsExpandable runtime with optional external battery packs, such as BP72V15-2UBattery 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 SSHOptional 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 levelsOffers 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 PortsUSB and DB9 ports enable data-saving unattended shutdown when used with PowerAlert software (available via free download from tripplite.eaton.com/products/power-alert)EPO port supports emergency shutdown in large facilities

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

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

Specifications

OVERVIEW	
UPC Code	037332194596
UPS Type	On-Line
INPUT	
Input Phase	Single-Phase
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
OUTPUT	
Output Capacity (VA)	3000
Output Capacity (kVA)	3
Output Capacity (Watts)	2700
Output Capacity (kW)	2.7
Output Capacity Details	ON LINE MODE: Maximum output capacity rating is reduced to 2430W (115V), 2295W (110V) and 2160W (100V); FREQUENCY REGULATION / CONVERSION MODE: Maximum output ratings are reduced in frequency regulation / conversion mode (127/120V 1890 watts / 115V 1701 watts / 110V 1606 watts / 100V 1512 watts) OVERLOAD CAPACITY: Supports inverter operation up to 105% load continuously, 125% load for 3 minutes; 150% load for 30 seconds and >150% load for 0.5 seconds before switching to BYPASS (when bypass input voltage and frequency are WITHIN bypass limits) or SHUTDOWN (when bypass input voltage or frequency are OUTSIDE bypass limits)
Power Factor	0.9
Crest Factor	3:1
Nominal Voltage Details	120V factory-default nominal voltage
Frequency Compatibility	50 / 60 Hz; Supports 50 to 60 Hz and 60 to 50 Hz conversion
Frequency Compatibility Details	ON LINE MODE: Output frequency is automatically configured to match nominal input frequency on startup; Output matches input frequency when +/-5Hz of nominal; Output is regulated to +/-0.05Hz when input frequency exceeds +/-5Hz of nominal. UPS switches to battery mode when input frequency is below 40Hz or above 70Hz. FREQUENCY REGULATION / CONVERSION MODE: Output is regulated to +/-0.05Hz of selected output frequency input is 40 to 70Hz; UPS switches to battery mode when input frequency is below 40Hz or above 70Hz. BATTERY MODE: Output is regulated to +/-0.05Hz.
Output Voltage Regulation (Line Mode)	+/- 2%

Output Voltage Regulation (Economy Line Mode)	+/- 10%
Output Voltage Regulation (Battery Mode)	+/- 3%
Load Management Receptacles	Two switchable four-outlet load banks
Output AC Waveform (AC Mode)	Pure Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	100V; 110V; 115V; 120V; 127V
Output Receptacles	(4) 5-15R; (4) 5-15/20R; (1) L5-30R
Individually Controllable Load Banks	Yes
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	4 min. (2700W)
Runtime Half Load (min.)	11 min. (1350W)
Expandable Runtime	Yes
Expandable Runtime Description	Some external battery configurations require the use of Tripp Lite's External Battery Configuration Software, see manual for details
External Battery Pack Compatibility	BP72V15-2U (limit 1); BP72V28RT-3U (multi-pack compatible); BP72V18-2US (multi-pack compatible)
DC System Voltage (VDC)	72
Battery Recharge Rate (Included Batteries)	Less than 3 hours recharge to 90% (typical, full load discharge)
Battery Access	Front panel battery access
Internal UPS Replacement Battery Cartridge	RBC96-3U
Battery Replacement Description	Hot-swappable, user replaceable batteries
VOLTAGE REGULATION	
Voltage Regulation Description	Online, double-conversion power conditioning maintains 2% output voltage regulation during brownouts and overvoltages
Overvoltage Correction	Corrects overvoltages to 150V (0-100% load)
Undervoltage Correction	Corrects undervoltages to 100V at full load (90V at 100V nominal)
Severe Undervoltage Correction	Corrects brownouts to 70V (70% load) & 55V (33% load)
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	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
Switches	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

Alarm Cancel Operation	Power-fail alarm can be temporarily silenced using alarm-cancel switch; silent mode alarm configuration option available
Audible Alarm	Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions
LED Indicators	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
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	570
UPS AC Suppression Response Time	Instantaneous
UPS Dataline Suppression	1 line TEL/DSL (1 in / 1 out); 10/100Base T Ethernet
EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
Primary Form Factor	Rackmount
Rack Height	3U
Cooling Method	Fan
Included Mounting Accessory Description	Includes 4 post rackmount installation accessories
Installation Form Factors Supported with Included Accessories	4 post 19 inch rackmount
Installation Form Factors Supported with Optional Accessories	2 post rackmount (2POSTRMKITHD)
Minimum Required Rack Depth (cm)	73.66
Minimum Required Rack Depth (inches)	29
Minimum Required Rack Depth with External Battery Pack (cm)	81
Minimum Required Rack Depth with External Battery Pack (in.)	32
Minimum Required Rack Depth without External Battery Pack (cm)	77
Minimum Required Rack Depth without External Battery Pack (in.)	30.5
Primary UPS Depth (mm)	660
Primary UPS Height (mm)	133
Primary UPS Width (mm)	451
Shipping Dimensions (hwd / in.)	12.00 x 23.00 x 33.00
Shipping Dimensions (hwd / cm)	30.48 x 58.42 x 83.82
Shipping Weight (lbs.)	119.00
Shipping Weight (kg)	53.98
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
Unit Weight (lbs.)	74.0000
Unit Weight (kg)	33.57
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 122°F (-15° to 50°C)
Relative Humidity	5 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	801
AC Economy Mode BTU / Hr. (Full Load)	188
AC Economy Mode Efficiency Rating (100% Load)	98%
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	1626
Audible Noise	50 dBA at 1m front side
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 software at https://tripplite.eaton.com/products/power-alert
Communications Cable	USB and DB9 cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Network Management Card Description	Network management card included
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
FEATURES & SPECIFICATIONS	

Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Auto Probe Monitoring and Reboot (included); Automatic inverter bypass; Hot swappable batteries; Remote management; Surge/noise protection; Zero transfer time
Green Energy-Saving Features	High efficiency economy mode operation; Individually controllable load banks; Schedulable daily hours of economy mode operation
APPLICATIONS	
UPS Applications	Mission Critical Applications
STANDARDS & COMPLIANCE	
Product Certifications	CSA (Canada); UL 1778
Product Compliance	RoHS; FCC Part 15 Class A (USA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

1000 Eaton Boulevard
Cleveland, OH 44122
United States
https://tripplite.eaton.com

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