SmartOnline 120V 3kVA 2.4kW On-Line Double-Conversion UPS, 3U Rack/Tower, Extended Run, WEBCARDLX Network Interface

MODEL NUMBER: **SU3000RTXL3UN**

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

Features

Protects Mission-Critical Rack-Mounted Equipment
- 120V 50/60 Hz output voltage with 0.8 power factor
- +/-2% voltage regulation in online and battery modes
- 4 breakered NEMA 5-15/20R, 4 breakered 5-15R and 1 non-breakered L5-30R outlets
- 10-ft. (3.05 m) AC power cord with NEMA L5-30P input plug
- 510 joules for combating EMI/RFI line noise that can distort or destroy data

Reliable Battery Backup with Expandable Runtime
- Supports half load for 14 min. and full load for 5 min.
- Zero transfer time between AC power and battery operation keeps network running during blackouts
- Expandable runtime with optional external battery packs, such as BP72V15-2U

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
- Supports 10/100 Mbps auto-sensing for communication with an Ethernet network
- No Java required

Broad Communications Compatibility
- Supports IPv4, IPv6, HTTP, HTTPS, SMTP, SNMPv1, SNMPv2, SNMPv3, telnet, SSH, FTP, DHCP and NTP
- Supports automatic and manual assignment of IP address

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 for remote UPS access
- 14 min. runtime at half load; 5 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

- SU3000RTXL3UN SmartOnline 120V 3kVA 2.4kW On-Line Double-Conversion UPS
- Pre-installed WEBCARDLX network interface
- USB cable
- DB9 cable
- EPO cable
- Rack-mounting hardware
- Owner's manual

Optional Economy Mode
- High 94% efficiency in economy mode cuts BTU heat output, power consumption and energy costs

Switchable Breakered Load Banks
- NEMA 5-15/20R and 5-15R outlets divided into 2 load banks, each of which may be individually powered on and off remotely to reset or reboot connected equipment

Front LED Panel
- 14 LEDs indicate line power, online mode, economy/bypass mode, on-battery, overload, battery condition and fault status information
- Rotates for viewing in rack and tower formats

USB and DB9 Ports
- Enable data-saving unattended shutdown with PowerAlert software (available via free download at tripplite.eaton.com/products/power-alert)

Versatile Installation Options
- Mounts in 3U of EIA-standard 19 in. 4-post rack (hardware included), 2-post rack or upright tower position

Specifications

OVERVIEW	
UPC Code	037332181466
UPS Type	On-Line

INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	24A
Nominal Input Voltage(s) Supported	120V AC
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)	2400
Output Capacity (kW)	2.4

Output Capacity Details	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	0.8
Crest Factor	3:1
Frequency Compatibility	50 / 60 Hz
Frequency Compatibility Details	Output frequency matches input nominal on startup, defaults to 60 Hz on cold-start
Output Voltage Regulation (Line Mode)	+/- 2%
Output Voltage Regulation (Economy Line Mode)	+/- 10%
Output Voltage Regulation (Battery Mode)	+/- 2%
Load Management Receptacles	Two switchable four-outlet load banks, (bank 1 - four 5-15/20R, bank 2 - four 5-15R outlets)
Output Circuit Breakers	15A branch rated (x2) - each breaker protects 4 outlets, L5-30R is unbreakered
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	120V
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.)	5 min. (2400W)
Runtime Half Load (min.)	14 min. (1200W)
Expandable Runtime	Yes
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 6 hours from 10% to 80% (typical, full load discharge)
Battery Access	Front panel battery access door
Internal UPS Replacement Battery Cartridge	RBC96-3U (quantity 1)
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 150

Undervoltage Correction	2% output voltage regulation during undervoltages to 80
Severe Undervoltage Correction	2% output voltage regulation during undervoltages to 65 (under 70% 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; LED panel rotates for viewing in rack/tower formats

SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	510
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); Tower (2-9USTAND)
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)	80
Minimum Required Rack Depth without External Battery Pack (in.)	31.5
Primary UPS Depth (mm)	660
Primary UPS Height (mm)	132
Primary UPS Width (mm)	452

Shipping Dimensions (hwd / in.)	12.00 x 23.00 x 32.50
Shipping Dimensions (hwd / cm)	30.48 x 58.42 x 82.55
Shipping Weight (lbs.)	110.00
Shipping Weight (kg)	49.90
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	13.21 x 45.21 x 66.04
UPS Power Module Dimensions (hwd, in.)	5.2 x 17.8 x 26
UPS Power Module Weight (kg)	33.48
UPS Power Module Weight (lbs.)	73.8
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	0 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	1117
AC Economy Mode BTU / Hr. (Full Load)	523
AC Economy Mode Efficiency Rating (100% Load)	94%
Online Mode Heat Dissipation (BTU/Hr) @ Full Load	1117
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	1224

COMMUNICATIONS

Network Management Cards	WEBCARDLXE
Network Monitoring Port Description	Includes pre-installed Network Management Card; DB9 port supports RS232 and contact closure communications; Economy-mode setting option is available using PowerAlert software and DB9 Serial cable connection OR installed Network Management Card
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	No transfer time (0 ms.) in online, double-conversion mode
Low Voltage Transfer to Battery Power (Setpoint)	80V (100% load), 65V (<70% load)
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); NOM (Mexico); 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