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120V 3000VA 2700W Double-Conversion UPS - 9 Outlets, Extended Run, WEBCARDLX, LCD, USB, DB9, 2U

MODEL NUMBER: **SU3000RTXLCD2UN**

On-line double-conversion UPS provides pure sine wave AC output to server and network equipment in data centers and computer rooms.

Features

Double-Conversion UPS Protects Equipment against Damage, Downtime and Data Loss This 100/110/120/127V 50/60 Hz UPS system with IGBT technology maintains perfect output by converting AC input to DC, then reconverting UPS output to fully regulated sine wave AC with +/-2% voltage regulation in online and battery modes. Featuring a 2.7kW capacity, high 0.9 power factor, 570 joules of surge suppression, true on-line operation with pure sine wave output and zero transfer time to battery mode in on-line double-conversion mode, the SmartOnline® SU3000RTXLCD2UN double-conversion UPS provides the highest level of AC power protection and battery backup for critical network closet, computer room and data center equipment.

Individually Controllable Load Banks Let You Access and Control Outlets Remotely Four NEMA 5-15R outlets and four 5-15/20R outlets are split into two switchable load banks, allowing you to reboot select components or shed loads remotely. In addition to those outlets, this UPS provides one NEMA L5-30R outlet for powering critical components.

Reliable, Expandable Battery Backup Keeps You Operational Through Power Outages The field-replaceable, hot-swappable internal battery provides 11.3 minutes of support at half load (1350W) and 4.1 minutes at full load (2700W), keeping protected equipment operational through power failures. For mission-critical applications demanding scalable extended runtime, the UPS supports external battery packs, such as Tripp Lite's BP72V15-2U (sold separately). The intelligent battery management system with temperature-compensated charging extends battery life.

Optional Economy Mode Helps You Save Money and Protect the EnvironmentA power-saving Economy mode setting option offers enhanced efficiency and reduced BTU output when utility power is already high quality, which helps you save on energy costs.

Automatically Turns Back On After Power Is Restored Battery-independent restart ensures automatic UPS power-up without user interaction after lengthy power outages, even when batteries are expired and require replacement.

Intuitive Front-Panel Interface for Convenient UPS Operation and Monitoring The front-panel LCD

Highlights

- Offers network-grade protection against power failures and voltage fluctuations
- Zero transfer time between on-line and battery modes for uninterrupted operation
- Optional external battery packs provide additional runtime for applications requiring it
- Included WEBCARDLX network interface allows you 24/7 remote access from anywhere
- Optional Economy mode helps save electricity and lower your energy costs

Applications

- Deliver perfectly regulated sine wave output to mission-critical equipment
- Protect connected components from dangerous surges, spikes and line noise
- Keep equipment operational through power failures
- Allow time to save data and safely shut down components in case of a prolonged blackout

Package Includes

- SU3000RTXLCD2UN SmartOnline Double-Conversion UPS
- WEBCARDLX network interface card
- USB cable
- RS-232 cable
- EPO cable
- 4-post rack-mounting hardware
- Owner’s manual

features detailed UPS and site power status and operating data, plus configuration of voltage, frequency, operating mode, alarm function and a variety of additional options. LEDs indicate line power availability, AC to DC conversion, battery mode operation, inverter mode, ECO mode operation, bypass mode operation and AC output status.

Advanced Communications Ports Allow for Automatic Saves and ShutdownsRS-232 and HID-compliant USB ports connect to a computer running Tripp Lite's free downloadable PowerAlert® software to enable safe unattended file saves and system shutdown in case of a prolonged power failure. An EPO port connects the UPS to a contact closure switch to enable emergency inverter shutdown. Cables are included.

WEBCARDLX Network Interface Offers 24/7 Remote Access for Monitoring and Control The SU3000RTXLCD2UN includes the Java-free HTML5-based WEBCARDLX that 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. Automated alerts help prevent accidental overloads, power loss and downtime. WEBCARDLX allows you to use the Auto Probe feature, which can prevent costly service calls by automatically rebooting non-responsive network devices.

Versatile Installation Options Hardware is included for mounting the UPS system in 2U of space in an EIA-standard 19-inch 4-post rack. Use the optional 2POSTRMKITWM (sold separately) for 2-post rack mounting or the optional 2-9USTAND (sold separately) for mounting in an upright tower position. The 10-ft. (3.05 m) power cord with NEMA L5-30P plug connects to any compatible AC outlet.

Specifications

OVERVIEW	
UPC Code	037332253552
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 Capacity (kVA)	3
Output Watt Capacity (Watts)	2700

Output kW Capacity (kW)	2.7
Output Capacity Details	ON LINE MODE: Maximum output capacity 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)
Full Load Runtime (min.)	4.1 min. (2700w)
Half Load Runtime (min.)	11.3 min. (1350w)
Expandable Battery Runtime	Extended runtime supported via optional external battery packs
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	RBC72S
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 90V 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
EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
Primary Form Factor	Rackmount
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 (2POSTRMKITWM); 2-4 post front rail rackmount (UPSHDEARKIT); Tower (2-9USTAND); Wallmount (2POSTRMKITWM)
Minimum Required Rack Depth with External Battery Pack (cm)	80
Minimum Required Rack Depth with External Battery Pack (in.)	31.5
Minimum Required Rack Depth without External Battery Pack (cm)	79
Minimum Required Rack Depth without External Battery Pack (in.)	31
Primary UPS Depth (mm)	648
Primary UPS Height (mm)	86
Primary UPS Width (mm)	439
Rack Height	2U
Shipping Dimensions (hwd / in.)	9.10 x 24.10 x 39.50
Shipping Weight (kg)	41.73
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, in.)	3.4 x 17.3 x 25.5
UPS Power Module Weight (kg)	31.98
UPS Power Module Weight (lbs.)	70.5
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)	801
AC Economy Mode BTU / Hr. (Full Load)	188
Battery Mode BTU / Hr. (Full Load)	1626
AC Economy Mode Efficiency Rating (100% Load)	98%
Operating Elevation (ft.)	0-3000m / 0-10,000 ft.
Audible Noise	50 dBA at 1m front side
Operating Elevation (m)	0 - 3000 m
COMMUNICATIONS	

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Network Management Cards	WEBCARDLX
Network Monitoring Port Description	Includes pre-installed WEBCARDLX; 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 Local software at https://www.tripplite.com/poweralert
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; Expandable battery backup; Hot swappable batteries; On-Line/Double-Conversion; Remote management; Sine wave output; 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
STANDARDS & COMPLIANCE	
UPS Certifications	Meets FCC Part 15 Category A (EMI); ROHS (Restriction of Hazardous Substances); Tested to CSA (Canada); Tested to NOM (Mexico); 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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