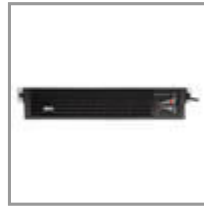


SmartOnline 120V 3kVA 2.7kW On-Line Double-Conversion UPS, 2U Rack/Tower, Extended Run, Network Card Option, ENERGY STAR

MODEL NUMBER: **SU3000RTXL2U**



Protects connected mission-critical equipment against damage, downtime and data loss due to blackouts, brownouts, surges and line noise. Converts incoming AC power to filtered DC power, then back to AC with a pure sine wave.

Description

The SU3000RTXL2U SmartOnline® 120V 3kVA 2.7kW On-Line Double-Conversion UPS provides the highest level of battery backup and AC power protection for critical server, network and telecom equipment. It delivers perfectly regulated sine wave output with +/-2% voltage regulation in online and battery modes, 0.9 power factor and zero transfer time to battery.

Operating with a high 95% efficiency in economy mode, the ENERGY STAR-certified SU3000RTXL2U can save you money by meeting strict EPA guidelines. Featuring six NEMA 5-15/20R outlets in two switchable breaker load banks, as well as one non-breakered L5-30R outlet, the SU3000RTXL2U has an internal battery that provides 13.8 minutes of support at half load and 4.8 minutes at full load. Adding optional external battery packs, such as Tripp Lite's BP72V15-2U (sold separately), provides extended runtime.

USB and DB9 ports combine with Tripp Lite's free downloadable PowerAlert® software to offer comprehensive network power monitoring and control. This UPS system also accepts an optional WEBCARDLX network interface (sold separately) that enables Java-free remote access for site power and UPS status monitoring, configuration, control and email notifications via secure web browser, SNMP, telnet or SSH.

The front LED panel indicates line power, online mode, economy/bypass mode, on-battery, overload, battery condition and fault status information at a glance. It rotates for easy viewing in either rack or tower configuration.

Highlights

- Zero transfer time between AC power and battery operation
- +/-2% output voltage regulation in online and battery modes
- Expandable runtime with optional external battery packs
- Optional WEBCARDLX network interface for full remote access
- 13.8 min. runtime at half load; 4.8 min. at full load

Package Includes

- SU3000RTXL2U SmartOnline 120V 3kVA 2.7kW On-Line Double-Conversion UPS
- USB cable
- DB9 cable
- EPO cable
- Rack-mounting hardware
- Owner's manual

Features

Protects Mission-Critical Rack-Mounted Equipment

- Protects equipment against data loss, downtime and damage due to power outages, voltage fluctuations and transient surges
- +/-2% voltage regulation in online and battery modes
- Selectable 100/110/115/120/127V 50/60 Hz output voltage with up to 0.9 power factor
- 6 breakered NEMA 5-15/20R and 1 non-breakered L5-30R outlets
- 10 ft. AC power cord with NEMA L5-30P input plug
- 504-joule surge protection rating for shielding connected devices from damaging power surges and spikes

Reliable Battery Backup with Expandable Runtime

- Supports half load for 13.8 min. and full load for 4.8 min.
- Zero transfer time between AC power and battery operation keeps network running during blackouts
- Expandable runtime with optional external battery packs, such as Tripp Lite's BP72V15-2U

ENERGY STAR Certification

- Up to 95% efficiency in optional economy mode saves BTU heat output and energy costs and meets strict EPA efficiency guidelines

Switchable Breakered Load Banks

- NEMA 5-15/20R outlets divided into 2 numbered 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

Audible Alarm

- Indicates power failure, overload, battery condition and EPO operation

Communications Ports

- USB and DB9 ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software (available via free download at www.tripplite.com/poweralert)
- Optional WEBCARDLX allows full remote access for power monitoring, configuration, control and email notifications via secure web browser, SNMP, telnet or SSH

Versatile Installation Options

- Hardware included for 4-post mounting in 2U of EIA-standard 19 in. rack
- Mounts in 2-post rack with optional 2POSTRMKITWM



- Mounts in upright tower position with optional 2-9USTAND

Specifications

OVERVIEW	
UPC Code	037332197023
OUTPUT	
Output Volt Amp Capacity (VA)	3000
Output kVA Capacity (kVA)	3.00
Output Watt Capacity (Watts)	2700
Output kW Capacity (kW)	2.70
Output Capacity Details	CAPACITY DE-RATINGS: Max output is reduced to 2430W at 115V, 2295W at 110V and 2150W at 100V nominal settings and reduced to 70% during frequency-conversion operation; INVERTER SHORT-CIRCUIT PROTECTION: Inverter short-circuit protection is electrically protected; OVERLOAD CAPACITY: Supports inverter operation up to 105% load continuously, 125% for 30 seconds, 150% for 10 seconds and >150% 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 Output Voltage(s) Supported	100V; 110V; 115V; 120V; 127V
Nominal Voltage Details	WEBCARDLX option is required to change nominal voltage from the 120V factory default
Frequency Compatibility	50 / 60 Hz
Frequency Compatibility Details	Accepts 40 to 70Hz input frequency. Output frequency matches input nominal on startup, defaults to 60 Hz on cold-start. Frequency conversion from 60 to 50 Hz -or- 50 to 60 Hz supported. Output capacity de-rates to 70% of normal levels during frequency conversion operation.
Output Voltage Regulation (Line Mode)	+/- 2%
Output Voltage Regulation (Economy Line Mode)	-12%, + 10%
Output Voltage Regulation (Battery Mode)	+/- 2%
Output Receptacles	(6) 5-15/20R; (1) L5-30R
Load Management Receptacles	Two switchable three-outlet load banks
Output Circuit Breakers	20A (x2) - each breaker protects 3 5-15/20R outlets, L5-30R outlet is un-breakered
Output AC Waveform (AC Mode)	Pure Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
INPUT	
Rated input current (Maximum Load)	24A maximum



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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
Recommended Electrical Service	30A 120V
Input Cord Length (ft.)	10
Input Cord Length (m)	3.05
Input Phase	Single-Phase
BATTERY	
Full Load Runtime (min.)	4.8 min. (2700w)
Half Load Runtime (min.)	13.8 min. (1350w)
Expandable Battery Runtime	Supports extended runtime with optional external battery packs
External Battery Pack Compatibility	BP72V15-2U & BP72V15-2U (limit 1); BP72V28RT-3U & BP72V28RT-3U (multi-pack compatible); BP72V18-2US & BP72V18-2US (multi-pack compatible)
DC System Voltage (VDC)	72
Battery Recharge Rate (Included Batteries)	Less than 8.1 hours from 10% to 90% (typical, full load discharge)
Internal UPS Replacement Battery Cartridge	See RBC selector guide (replacement battery part number is also labeled on the internal battery door)
Battery Access	Front panel battery access door
Battery Replacement Description	Hot-swappable, user replaceable batteries
Expandable Runtime	Yes
VOLTAGE REGULATION	
Voltage Regulation Description	Online, double-conversion power conditioning
Overvoltage Correction	ONLINE MODE: 2% output voltage regulation during overvoltages to 150
Undervoltage Correction	2% output voltage regulation during undervoltages to 80 (66-100% load)
Severe Undervoltage Correction	2% output voltage regulation during undervoltages to 70V (33-66% load) or 60V (under 33% load)
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 power failure, low battery, overload, replace battery and EPO operation
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	504
EMI / RFI AC Noise Suppression	Yes
AC Suppression Response Time	Instantaneous
PHYSICAL	
Included Mounting Accessory Description	Includes 4 post rackmount installation accessories
Installation Form Factors Supported with Optional Accessories	2 post rackmount (2POSTRMKITWM); Tower (2-9USTAND)
Primary Form Factor	Rackmount
UPS Power Module Dimensions (hwd, in.)	3.46 x 17.24 x 24.25
UPS Power Module Dimensions (hwd, cm)	8.79 x 43.79 x 61.60
Rack Height (U Spaces)	2
Minimum Required Rack Depth without External Battery Pack (cm)	74
Minimum Required Rack Depth with External Battery Pack (cm)	82
Minimum Required Rack Depth without External Battery Pack (in.)	29.25
Minimum Required Rack Depth with External Battery Pack (in.)	32.25
UPS Power Module Weight (lbs.)	68.72
UPS Power Module Weight (kg)	31.17
Shipping Dimensions (hwd / in.)	9.45 x 23.62 x 29.92
Shipping Dimensions (hwd / cm)	24.00 x 59.99 x 76.00
Shipping Weight (lbs.)	87.60
Shipping Weight (kg)	39.73
Cooling Method	Fan
UPS Housing Material	Steel
Primary UPS Height (mm)	88
Primary UPS Width (mm)	438
Primary UPS Depth (mm)	616
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)	531



AC Economy Mode BTU / Hr. (Full Load)	484.5
Battery Mode BTU / Hr. (Full Load)	1037
AC Economy Mode Efficiency Rating (100% Load)	95%
Audible Noise	50 dBA max, front-side @ 1m
COMMUNICATIONS	
Communications Interface	USB (HID enabled); DB9 Serial; Contact closure; EPO (emergency power off); Slot for SNMP/Web interface
Network Management Cards	 WEBCARDLX
Network Monitoring Port Description	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 and modify the UPS Power Strategy settings download PowerAlert Local software at http://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
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), 70V (66% load), 60V (33% load)
High Voltage Transfer to Battery Power (Setpoint)	150
SPECIAL FEATURES	
Grounding Lug	Includes back-panel grounding lug
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Automatic inverter bypass; Hot swappable batteries
Green Energy-Saving Features	High efficiency economy mode operation; Individually controllable load banks; Schedulable daily hours of economy mode operation
CERTIFICATIONS	
UPS Certifications	ENERGY STAR Qualified; Meets FCC Part 15 Category A (EMI); Tested to CSA (Canada); Tested to NOM (Mexico); Tested to UL1778 (USA)
UPS Certification Details	UL1778 5TH; CSA 22.2-107.3-14; FCC CLASS A
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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