

SmartOnline 120V 1.5kVA TAA-Compliant UPS – On-Line Double Conversion, 1.35kW, 2U, Network Card Option

MODEL NUMBER: SU1500RTXLCDTAA



1.5kVA UPS protects connected equipment against damage and downtime due to blackouts, brownouts, surges and line noise.

Features

Protects Mission-Critical Rack-Mounted Equipment against Damage, Downtime and Data Loss This 1500VA UPS system protects connected equipment against equipment damage, downtime and data loss due to power outages, voltage fluctuations and transient surges. Featuring a 1350W capacity, high 0.9 power factor, true on-line operation with pure sine wave output and zero transfer time to battery, the SU1500RTXLCDTAA provides the highest level of battery backup and AC power protection for critical server, network and telecom equipment.

Reliable, Expandable Battery Backup UPS battery backup keeps connected equipment operational through short power failures, and provides time to save data and perform an orderly system shutdown in case of a prolonged blackout. The internal battery set provides 14 minutes of support at half load and 4.2 minutes at full load. During normal operation, incoming utility power keeps the battery fully charged so backup power will be available when needed. For mission-critical applications demanding continuous uptime, the fully scalable 1.5kVA UPS can provide expandable runtime with optional external battery packs, such as Tripp Lite's BP48V242UTAA (sold separately). A battery-independent restart ensures automatic UPS power-up after lengthy power outages, even with expired batteries..

6 Outlets in Dual Switchable Load Banks for Remote Control Six NEMA 5-15R outlets are divided into two switchable breakered load banks. Each numbered load bank may be individually powered on and off remotely to reset or reboot connected equipment.

Intuitive Front-Panel LCD Interface Operating the UPS system and monitoring connected equipment is easy with this interactive LCD screen. It reports operating mode and nine selectable data screens, including load, voltage and battery information. It also gives you 16 screens worth of configuration and setup options.

Optional WEBCARDLX Network Interface Offers 24/7 Access An accessory slot accommodates the optional Java-free HTML5-based WEBCARDLX interface, which 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.

Advanced Communications Ports USB and DB9 ports (cables are included) enable data-saving unattended shutdown when used with Tripp Lite's free downloadable PowerAlert® software. Capabilities include UPS and line power status messaging, timed inverter shutoff after unattended shutdown, and UPS output power control for delayed or immediate reboot of connected devices.

Versatile Installation Options Hardware is included for mounting the 1.5kVA UPS system in 2U of space in an EIA-standard 19-inch 4-post rack. Use the optional 2POSTRMKITWM for 2-post rack mounting or wall mounting. Use the optional 2-9USTAND for mounting in an upright tower position.

Highlights

- Zero transfer time between AC power and battery for uninterrupted operation
- 570 joules protect connected devices from damaging power surges and spikes
- Optional external batteries provide additional runtime for essential applications
- Interactive LCD screen delivers detailed status, preset and control options
- Complies with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases
- To use the Auto Probe feature, this product requires a WEBCARDLX network interface (sold separately) running LX firmware update 15.5.2 or later

Applications

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

Package Includes

- SU1500RTXLCDTAA
 SmartOnline 120V 1.5kVA TAA-



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TAA-Compliant for GSA Schedule PurchasesThe SU1500RTXLCDTAA is compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases.

2-Year Warranty, \$250K Ultimate Lifetime Insurance and Environmentally Responsible DesignThe SU1500RTXLCDTAA comes with a 2-year warranty and \$250,000 of Ultimate Lifetime Insurance for any connected components damaged by a power surge (U.S., Canada and Puerto Rico only). It's manufactured in compliance with strict RoHS specifications, reflecting Tripp Lite's commitment to environmental responsibility.

Compliant UPS

- USB cable
- DB9 cable
- EPO cable
- Rack-mounting hardware
- Owner's manual

Specifications

| OVERVIEW | |
|------------------------------------|--|
| UPC Code | 037332231017 |
| UPS Type | On-Line |
| INPUT | |
| Rated input current (Maximum Load) | 12A |
| 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 | 5-15P |
| Input Circuit Breakers | 20A |
| UPS Input Cord Length (ft.) | 10 |
| UPS Input Cord Length (m) | 3.1 |
| Recommended Electrical Service | 15A 120V |
| Input Phase | Single-Phase |
| OUTPUT | |
| Output Volt Amp Capacity (VA) | 1500 |
| Output kVA Capacity (kVA) | 1.50 |
| Output Watt Capacity (Watts) | 1350 |
| Output kW Capacity (kW) | 1.35 |
| Power Factor | 0.9 |
| Crest Factor | 3:1 |
| Nominal Voltage Details | 120V factory-default nominal voltage; Less than 3% THD for linear loads and less than 5% for non-linear computer loads |
| Frequency Compatibility | 50 / 60 Hz; Supports 50 to 60 Hz and 60 to 50 Hz conversion |

3 / 6



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| VOLTAGE REGULATION | |
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| 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 | |
| Cooling Method | Fan |
| Included Mounting Accessory Description | Included 4POSTRAILKIT mounting bracket enables installation in 4 post racks from 20.5 to 36 inches (521 to 914mm) |
| 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); 4 post rackmount short-depth (4POSTRAILKITWM); Tower (2-9USTAND); Wallmount (2POSTRMKITWM); |
| Minimum Required Rack Depth with External Battery Pack (cm) | 65 |
| Minimum Required Rack Depth with External Battery Pack (in.) | 25.5 |
| Minimum Required Rack Depth without External Battery Pack (cm) | 55 |



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| Minimum Required Rack Depth without External Battery Pack (in.) | 21.5 |
| Optional Mounting Accessory Notes | Optional 2-9USTAND enables upright tower UPS placement; 2POSTRMKITWM enables wall-mount and 2-post rackmount installation; 4POSTRAILKITWM enables installation in 4-post short-depth racks from 14.5 to 23.5 inches (368 to 597mm); UPSHDEARKIT enables installation in 2 or 4-post racks using front vertical rails only, without rear support |
| Primary Form Factor | Rackmount |
| Primary UPS Depth (mm) | 470 |
| Primary UPS Height (mm) | 89 |
| Primary UPS Width (mm) | 445 |
| Rack Height | 2U |
| Shipping Dimensions (hwd / cm) | 23.37 x 59.18 x 48.77 |
| Shipping Dimensions (hwd / in.) | 9.20 x 23.30 x 19.20 |
| Shipping Weight (kg) | 26.31 |
| Shipping Weight (lbs.) | 58.00 |
| UPS Housing Material | Steel |
| UPS Power Module Dimensions (hwd, cm) | 8.89 x 44.45 x 46.99 |
| UPS Power Module Dimensions (hwd, in.) | 3.50 x 17.50 x 18.50 |
| UPS Power Module Weight (kg) | 20.41 |
| UPS Power Module Weight (lbs.) | 45 |
| ENVIRONMENTAL | |
| Operating Temperature Range | +32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius |
| Storage Temperature Range | +5 to +122 degrees Fahrenheit / -20 to +40 degrees Celsius with batteries; -13 to +131 Fahrenheit / -25 to +55 degrees Celsius without batteries |
| Relative Humidity | 0 to 95%, non-condensing |
| AC Mode BTU / Hr. (Full Load) | 455 |
| AC Economy Mode BTU / Hr. (Full Load) | 294 |
| Battery Mode BTU / Hr. (Full Load) | 559 |
| AC Economy Mode Efficiency Rating (100% Load) | 94% |
| Audible Noise | 45 dBA at 1m front side |
| Operating Elevation (m) | Up to 3000m |
| COMMUNICATIONS | |



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| Network Management Cards | SNMPWEBCARD & TLNETCARD & WEBCARDLX & MODBUSCARD & RELAYIOCARD |
| 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, 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 |
| Communications Interface | Contact closure; DB9 Serial; EPO (emergency power off); 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) | 100V at full load (90V full load at 100V nominal setting); 70V at 70% load; 55V at 33% load |
| High Voltage Transfer to Battery Power (Setpoint) | 150V |
| 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 (requires WEBCARDLX); 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); TAA Compliant; 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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