

Use optional [WEBCARDLXE](#) web card
Not compatible with WEBCARDLX

SmartOnline 1500VA 1350W 120V Double-Conversion Sine Wave UPS - 8 Outlets, Extended Run, Network Card Option, LCD, USB, DB9, 2U Rack/Tower

MODEL NUMBER: SU1500RTXLCD2U



Provides battery backup, power protection and sine wave output for mission-critical IT installations, edge networks and other advanced network applications.

Features

1.5kVA 1.35kW 120V Battery Backup Protects Equipment against Damage, Downtime and Data Loss

This on-line double-conversion UPS system maintains perfect output by converting AC input to DC, then reconverting UPS output to fully regulated sine wave AC. Constant on-line operation completely isolates sensitive equipment from every power problem on the AC line. The SmartOnline® SU1500RTXLCD2U double-conversion UPS provides the highest level of power protection and battery backup for education, healthcare, military, government and other mission-critical IT applications where space is limited, but premium power reliability is essential.

Reliable, Expandable Battery Backup Keeps You Operational Through Power Outages

The field-replaceable, hot-swappable VRLA battery modules allow you to work through short power failures and give you enough time to safely save files and shut down your system in case of a prolonged blackout. Zero transfer time between on-line and battery modes maintains continuous operation of connected equipment without interruption or rebooting. Extra runtime is available by connecting up to four optional extended battery modules (BP48RT, sold separately).

Optional Network Management Card Allows Remote Access 24/7

The WEBCARDLXE network interface (sold separately) enables full remote configuration and management, including load shedding, reboots of connected equipment and safe shutdowns. The IP-based Auto Probe feature ensures continuous network uptime by communicating with other network devices, detecting lost connectivity and automatically rebooting IT equipment. Optional EnviroSense2 modules (E2MT, E2MTDO and E2MTHDI, all sold separately) provide a variety of environmental monitoring and control options.

NEMA 5-15R Outlets Protect Your Connected Components

Eight managed 5-15R outlets provide connected equipment with pure sine wave AC output and allow you to manage power consumption down to the outlet group level. Power provided by these outlets is filtered to protect connected equipment against damaging surges and line noise. Four outlets are split evenly into two programmable load banks that let you shed non-critical loads to extend runtime for critical loads. A

Highlights

- Updated design for 2023
- Offers network-grade protection against power failures and voltage fluctuations
- Zero transfer time between on-line and battery modes for uninterrupted operation
- Keeps equipment running during outages to allow time for file saves and safe shutdown
- Optional WEBCARDLXE network interface allows 24/7 remote access from anywhere
- 2-line front-panel LCD with 10 selectable screens reports detailed UPS and site power info

Package Includes

- 1500VA 1350W 120V Double-Conversion UPS
- USB cable
- DB9 cable
- Rackmount hardware
- Tower support stands
- Safety instructions
- Quick start guide



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cooling fan helps protect equipment from overheating.

Premium Protection from EMI/RFI Line Noise Helps Your Equipment Perform Better

This UPS system filters out disruptive electromagnetic and radio frequency interference that can inflict hardware damage or data loss. This EMI/RFI filtering also helps your connected components perform better and last longer.

Intuitive Front-Panel Interface for Convenient UPS Operation and Monitoring

The two-line front-panel LCD monitoring screen features 10 selectable screens that allow quick access to a wide range of detailed UPS and site power information. LEDs show UPS status: a green light means utility power is on, an orange light means the UPS is in battery or bypass mode and a red light indicates an active alarm or fault. The control panel rotates to accommodate both rack-mount and tower configurations.

Advanced Communications Ports Allow for Automatic Saves and Shutdowns

RS-232 and USB ports connect to a device for a variety of communication options (cables are included). A dry-contact relay port can be programmed through the LCD to provide reliable communications to automation and industrial components. The RPO/ROO port permits emergency shutdown or remote restart of all connected equipment.

Automatically Turns Back On After Power Is Restored

Battery-independent restart ensures automatic UPS power-up without user interaction after lengthy power outages, even after a complete battery discharge.

Versatile Installation Options

Hardware is included for mounting the UPS system in 2U of space in an EIA-standard 19-inch 4-post rack. You can also adapt it for tower installation using the included support stands. The eight-foot power cord with NEMA 5-15P plug connects to any compatible AC outlet.

Specifications

| OVERVIEW | |
|------------------------------------|---------------------------|
| UPC Code | 037332168610 |
| UPS Type | On-Line |
| INPUT | |
| Input Phase | Single-Phase |
| Rated input current (Maximum Load) | 12.5A |
| Nominal Input Voltage(s) Supported | 100V AC; 110V AC; 120V AC |
| Nominal Input Voltage Description | 120V factory default |
| UPS Input Connection Type | 5-15P |
| UPS Input Cord Length (ft.) | 8 |
| UPS Input Cord Length (m) | 2.4 |
| Recommended Electrical Service | 120V |
| Plug Type | 5-15P |
| Input Cord Length (ft.) | 8 |
| Input Cord Length (m) | 2.44 |
| Input Current | 12.5A |
| Power Factor (Input) | 0.99 |

| OUTPUT | |
|---|---|
| Output Capacity (VA) | 1500 |
| Output Capacity (kVA) | 1.5 |
| Output Capacity (Watts) | 1350 |
| Output Capacity (kW) | 1.35 |
| Power Factor | 0.9 |
| Crest Factor | 3:1 |
| Nominal Voltage Details | 120V factory-default nominal voltage |
| Frequency Compatibility | 50 / 60 Hz |
| Frequency Compatibility Details | Online Mode: Sync with line $\pm 5\%$ of nominal line frequency (outside this range: $\pm 0.5\%$ of auto-selected nominal frequency). Battery Mode: $\pm 0.5\%$ of auto-selected nominal frequency |
| Output Voltage Regulation (Line Mode) | +/- 1% |
| Output Voltage Regulation (Economy Line Mode) | +/- 1% |
| Output Voltage Regulation (Battery Mode) | +/- 2% |
| Load Management Receptacles | Two switchable two-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 | (8) 5-15R |
| Individually Controllable Load Banks | Yes |
| BATTERY | |
| Battery Type | Valve Regulated Lead Acid (VRLA) |
| Runtime Full Load (min.) | 5.8 min. (1350W) |
| Runtime Half Load (min.) | 16.5 min. (675W) |
| Expandable Runtime | Yes |
| Expandable Runtime Description | Add up to 4 extended battery modules (EBM). Part number BP48RT ; BP48RT . *Note: BP48RT is compatible only with the SU1500RTXLCD2U 2023 UPS design update featured on this page. For previous SU1500RTXLCD2U design battery pack functionality, please see the Legacy Product Datasheet under the Support tab, Documents & Downloads section. |
| External Battery Pack Compatibility | BP48RT |
| DC System Voltage (VDC) | 48 |
| Battery Recharge Rate (Included Batteries) | 3 hours recharge to 90% |

| | |
|---|--|
| Battery Access | Battery access door |
| Internal UPS Replacement Battery Cartridge | 744-A3297 *Note: 744-A3297 is the replacement battery for the SU1500RTLCD2U 2023 UPS design update featured on this page. For the replacement battery in the previous design of SU1500RTLCD2U, please see the Legacy Product Datasheet under the Support tab, Documents & Downloads section. |
| Battery Replacement Description | Hot-swappable, user replaceable batteries |
| VOLTAGE REGULATION | |
| Voltage Regulation Description | Online, double-conversion power conditioning |
| 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 | RPO / ROO |
| 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 | 4 status-indicating LEDs |
| SURGE / NOISE SUPPRESSION | |
| UPS AC Suppression Joule Rating | 190 |
| UPS AC Suppression Response Time | Instantaneous |
| EMI / RFI AC Noise Suppression | Yes |
| AC Suppression Joule Rating | 190 |
| AC Suppression Response Time | Instantaneous |
| PHYSICAL | |
| Primary Form Factor | Rackmount |
| Rack Height | 2U |
| 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 (RK2PC) |
| Minimum Required Rack Depth (cm) | 52.58 |
| Minimum Required Rack Depth (inches) | 20.7 |
| Optional Mounting Accessory Notes | 2 post rail kit available, part # RK2PC |



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| Shipping Dimensions (hwd / in.) | 9.45 x 21.66 x 23.63 |
| Shipping Dimensions (hwd / cm) | 24.00 x 55.02 x 60.02 |
| Shipping Weight (lbs.) | 54.90 |
| Shipping Weight (kg) | 24.90 |
| UPS Housing Material | Metal |
| Unit Dimensions (hwd / in.) | 3.410 x 17.330 x 17.720 |
| Unit Weight (lbs.) | 42.55 |
| Unit Weight (kg) | 19.30 |
| ENVIRONMENTAL | |
| Operating Temperature Range | 32° to 104°F (0° to 40°C) |
| Storage Temperature Range | With battery: 32° to 104°F (0° to 40°C); without battery: -13° to 131°F (-25° to 55°C) |
| Relative Humidity | 0 to 96%, non-condensing |
| AC Mode Efficiency Rating (100% Load) | 90 |
| AC Economy Mode Efficiency Rating (100% Load) | 95.8 |
| Online Mode Heat Dissipation (BTU/Hr) @ Full Load | 512 |
| Battery Mode Heat Dissipation (BTU/Hr) @ Full Load | 897 |
| Operating Elevation | 0-10000 ft. (0-3000 m) |
| Audible Noise | 40 dB at 1m |
| COMMUNICATIONS | |
| Network Management Cards | (1) WEBCARDLXE |
| Network Monitoring Port Description | WEBCARDLXE Supports detailed monitoring of UPS and site power conditions; DB9 port supports RS232 and contact closure communications; not compatible with WEBCARDLX |
| 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 RS232 cable included |
| WatchDog Compatibility | Supports Watchdog application, OS and hard-reboot restart options for remote applications |
| Network Management Card Description | Network management card optional |
| Communications Interface | (1) Contact closure; (1) RS-232; (1) Slot for SNMP/Web interface; (1) USB |
| Emergency Power Off (EPO)/Remote On-Off (ROO) | Yes |
| LINE / BATTERY TRANSFER | |
| Transfer Time | 0ms |



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| FEATURES & SPECIFICATIONS | |
|---|---|
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported |
| High Availability UPS Features | Expandable battery backup; Hot swappable batteries; On-Line/Double-Conversion; Pure sine wave output; Remote management; Surge/noise protection; Zero transfer time |
| Green Energy-Saving Features | High efficiency economy mode operation; Individually controllable load banks |
| APPLICATIONS | |
| UPS Applications | Mission Critical Applications |
| STANDARDS & COMPLIANCE | |
| Product Certifications | UL Listed; cUL Listed |
| Product Compliance | CE (Europe); FCC (USA); REACH; RoHS |
| WARRANTY & SUPPORT | |
| Product Warranty Period (Worldwide) | 2-year limited warranty |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$250,000 & Ultimate Lifetime Insurance |
| Extended Service Plans | ADVANCED DEPOT EXCHANGE Service Part Number: TL9SW5Y-1500UC Parts, electronics and UPS batteries coverage Next business day shipping Technical support 5-year onsite plan: TLWFLN75XX-2509UC Onsite parts and labor coverage for 5 years Parts, electronics and UPS batteries coverage 24x7 onsite labor coverage, next-day response Next-day shipping Technical support |

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