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

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
Maximum Input Amps	12
Input Plug Type	NEMA 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 ±5% of nominal line frequency (outside this range: ±0.5% of auto-selected nominal frequency). Battery Mode: ±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 . *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 SU1500RTXLCD2U 2023 UPS design update featured on this page. For the replacement battery in the previous design of SU1500RTXLCD2U, 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	
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
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
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
Mounting Details	Includes 4 post rackmount installation accessories
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	0-96% 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
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	CAN/CSA-C22.2 No. 107.3 (Canada); UL 1778; NOM (Mexico); cTUVus
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	5-year-depot exchange plan: TL9SW5Y-1500UCParts, electronics and UPS batteries coverageNext business day shippingTechnical support5-year onsite plan: TLWFLN75XX-2509UCOnsite parts and labor coverage for 5 yearsParts, electronics and UPS batteries coverage24x7 onsite labor coverage, next-day responseNext-day shippingTechnical support

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