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Model #: SMART1500LCDXL

Smart LCD 1500VA 2U Rack/Tower Line-Interactive 120V UPS with LCD display, Expandable Runtime, USB & Serial ports

Highlights



- 1500VA / 1.5kVA 2U rack/tower 120V line interactive extended run UPS
- Corrects brownouts and overvoltages from 75V to 147V
- LCD status and configuration screen, External battery pack options
- USB, DB9 serial, TEL/DSL/ethernet protection, Rackmount kit
- NEMA 5-15P input, 8 NEMA 5-15R outlets

Description

Tripp Lite's SMART1500LCDXL Line-Interactive UPS System offers network-grade voltage regulation, surge suppression and long-lasting battery support, ideal for network equipment, phone systems, desktop PCs and home entertainment systems. Uninterruptible Power Supply / UPS system provides battery derived AC output to maintain continuous operation of connected equipment without data-loss during power failures and severe voltage fluctuations. Runtime is expandable with one additional BP24V15RT2U external battery pack. Interactive LCD display offers detailed site voltage and UPS status information, plus a variety of UPS control options. High 97% efficient line power mode operation offers reduced UPS energy consumption and BTU heat output. Automatic Voltage Regulation / AVR circuits boost brownouts and reduce overvoltages from 75V to 147V to safe 120V nominal levels without using battery power. Included mounting accessories enable 2U horizontal rackmount installation in 2 and 4 post racks or upright tower installation. Built-in USB and DB9 serial port enables optional unattended system shutdown in case of extended power failure using PowerAlert UPS management software. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. Built-in data line surge suppression jacks offer protection for equipment with single-line dialup, DSL or network Ethernet connection.

Package Includes

- SMART1500LCDXL UPS system
- USB, serial & telephone cabling
- Rack/Tower mounting kit
- Owner's manual

Features

- SMART1500LCDXL Line Interactive UPS offers network-grade voltage regulation, surge suppression and long lasting battery support
- Space-saving angled NEMA 5-15P input plug; 6ft / 1.8m line cord
- 8 battery-supported NEMA 5-15R outlets
- Maintains operation of connected equipment during power failures and voltage fluctuations
- Runtime is expandable with one additional BP24V15RT2U external battery pack
- LCD display reports numeric and icon-based UPS status and site power data
- Select and scroll buttons enable access to UPS control, operating and LCD display settings
- Numeric display reports Input Voltage, Output Voltage, Battery Charge Percentage, Output Load Percentage, Output Load Wattage and Estimated Minutes Runtime data
- Icon-based display items include 5 "bar" battery capacity, UPS operating status, replace battery and voltage regulation status
- Control-mode LCD options enable external battery configuration, alarm on/off control, self-test and LCD brightness
- Front-panel LCD screen rotates for horizontal or vertical installation options
- 97% line power mode efficiency operation
- Line Interactive Automatic Voltage Regulation / AVR circuits correct brownouts and overvoltages from 75 to 147V

- Included mounting accessories for 2U rackmount and tower installation
- USB and DB9 serial ports enable optional unattended system shutdown using PowerAlert UPS management software available via free download from www.tripplite.com
- HID-compliant USB interface enable integration with built-in power management and auto shutdown features of Windows and Mac OS X
- DB9 serial port also supports contact closure signaling for on-battery and power-restored messaging
- Built-in data line surge suppression jacks offer protection for equipment with single-line dialup or PoE compatible network ethernet connection

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	1500
Output kVA capacity (kVA)	1.5
Output Watt Capacity (watts)	900
Nominal Output Voltage(s) Supported	115V; 120V
Frequency compatibility	60 Hz
Output voltage regulation (line mode)	-18%, +8%
Output voltage regulation (Battery mode)	115V (+/- 5%)
Built-in UPS output receptacles	8 5-15R outlet(s)
Output AC waveform (AC mode)	Sine wave
Output AC waveform (battery mode)	PWM sine wave
INPUT	
Rated input current (at maximum load)	8.5A
Nominal Input Voltage(s) Supported	120V AC
UPS input connection type	5-15P
UPS input connection description	Space-saving right angle input plug
Input circuit breaker	10A
UPS Input cord length (ft.)	6
UPS Input cord length (m)	1.8

Recommended Electrical Service	15A 120V
BATTERY	
Full load runtime (minutes)	4 min. (900w)
Half load runtime (minutes)	12 min. (450w)
External battery pack compatibility	BP24V15RT2U (limit 1)
DC system voltage (VDC)	24
Battery recharge rate (included batteries)	Less than 4.5 hours from 10% to 90%
VOLTAGE REGULATION	
Voltage regulation description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 75 to 147
Overvoltage correction	Input voltages between 128 and 147 are reduced by 12%
Undervoltage correction	Input voltages between 93 and 107 are boosted by 14%
Severe undervoltage correction	Input voltages between 75 and 92 are boosted by 30%
LEDS ALARMS & SWITCHES	
LED Indicators	Front panel LCD display
Front panel LCD display	Numeric LCD interface reports Input Voltage, Output Voltage, Battery Charge Percentage, Estimated Runtime in Minutes, Load Percentage, Load Watts; Additional LCD icons report battery charge level (5 "bars"), Line Power Mode, Battery Mode, Replace Battery and Auto-Voltage Regulation / AVR status; LCD interface control options include Alarm Disable, Display Scrolling, Initiate Self-test, LCD brightness, External Battery setting and line sensitivity
Alarms	Audible alarm indicates power-failure and low-battery conditions; Alarm can be permanently silenced via LCD interface
Alarm cancel operation	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation; dimmer switch controls LCD brightness
SURGE / NOISE SUPPRESSION	
UPS AC suppression joule rating	1038
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	
Installation form factors supported with included accessories	2 post 19 inch rackmount (mounting rail kit included); Tower

Included mounting accessory description	Pair of mounting ears enable tower and 2-4 post rackmount installation
Primary form factor	Rackmount
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	3.5 x 17.3 x 10.5
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	8.9 x 43.8 x 26.7
Installed whole system maximum rack depth (inches)	10.5
Installed whole system maximum rack depth (cm)	26.7
Installed whole system total rack space height (rack spaces)	2U
UPS / Power Module weight (lbs)	29.4
UPS / Power Module weight (kg)	13.3
UPS Shipping dimensions (height x width x depth / inches)	7.5 x 15 x 21.5
UPS Shipping dimensions (height x width x depth / cm)	19 x 38.1 x 54.6
Shipping weight (lbs)	33.4
Shipping weight (kg)	15.2
UPS housing material	ABS
Cooling method	Fan
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)	78
COMMUNICATIONS	

Communications interface	USB (HID enabled); DB9 Serial; Contact closure
Network monitoring port description	Supports detailed monitoring of UPS and site power conditions
PowerAlert software	Free download from www.tripplite.com
Communications cable	USB and DB9 Serial cabling included
WatchDog compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
LINE / BATTERY TRANSFER	
Transfer time	4 milliseconds AC to battery mode / 3 milliseconds battery to AC mode
Low voltage transfer to battery power (setpoint)	75
High voltage transfer to battery power (setpoint)	147
SPECIAL FEATURES	
Cold Start (startup in battery mode during a power failure)	Cold-start operation supported
Green & high efficiency features	Greater than 95% efficiency - GREEN UPS
CERTIFICATIONS	
UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category B (EMI)
WARRANTY	
Product Warranty Period (U.S. & Canada)	3-year limited warranty
Product Warranty Period (International)	2-year limited warranty
Product Warranty Period (Mexico)	3-year limited warranty
Product Warranty Period (Puerto Rico)	3-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 Ultimate Lifetime Insurance

Related Items

Optional Products

Related Model	Description	Qty.
BP24V15RT2U	BP24V15RT2U - External Battery Pack for UPS System	1

WEXT5-500-1500	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	1
P012-006	6-ft. Notebook Power cord (NEMA 1-15P to IEC-320-C7)	1
P006-006-13LA	6-ft. 18AWG Power cord (NEMA 5-15P to IEC-320-C13 Left Angle)	1
P006-006-13RA	6-ft. 18AWG Power cord (NEMA 5-15P to IEC-320-C13 Right Angle)	1
WATCHDOGSW	WatchDog Service Monitoring / Reboot Software	1
CT120	Instant-Read- AC Outlet Circuit Tester	1

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=4978.

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