

# SmartPro Digital UPS

Line-interactive UPS for personal computers, workstations, home entertainment systems and media centers



**Cisco**  
Compatible

**Business**  
Technology  
Developed for  
the market

## Model #: SMART1500LCD

- ▶ LCD display indicates input voltage, battery capacity and a variety of operating conditions
- ▶ 1500VA line-interactive 2U rackmount shelf/tower UPS system
- ▶ 8 UPS-supported AC outlets, dataline surge suppression for tel/DSL or network Ethernet line
- ▶ DB9 serial and USB port with HID protocol support and complete cabling
- ▶ Corrects brownouts as low as 75V and overvoltages to 147V back to 120V nominal levels
- ▶ \$250,000 Ultimate Lifetime Insurance (USA & Canada only)

## DESCRIPTION

Tripp Lite's SMART1500LCD Line-Interactive Digital UPS System offers voltage regulation, surge suppression and long-lasting battery support for personal computers, network workstations, home entertainment systems and media centers. Internal UPS circuits support entry-level PCs or individual VCR/DVR components during power failures. Prevents data loss, viewing interruptions, lost recordings and loss of component programming. Automatic Voltage Regulation (AVR) circuits regulate brownouts and overvoltages from 75V to 147V back to usable levels without using battery power. Offers complete power protection with support for upright tower, flat shelfmount or 2U rackmount installation in an attractive all-black cabinet design. Includes 8 battery-supported outlets. Built-in USB and DB9 serial port enables optional unattended system shutdown without data loss in case of extended power failure; cabling included. PowerAlert software available via free download from [www.tripplite.com](http://www.tripplite.com). HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. Built-in single-line RJ-45 jacks offer protection for equipment with single-line tel/DSL or network Ethernet connection. Built-in audible alarm and large LCD front panel voltage display indicates line power status, battery power status, battery low/replace status and voltage boost operation. 1500VA/900W power-handling capacity supports entry-level PCs, home entertainment systems, network workstations and audio/video components. Offers 3.5 minutes battery runtime with a full load of 1500VA/900W and 13 minutes with a half load of 750VA/450W. 2-year warranty; \$250,000 connected equipment insurance (USA & Canada only).

## KEY BUYING POINTS

- LCD Display indicates input voltage, battery capacity and a variety of operating conditions. Display is rotatable for easy viewing whether UPS is in vertical or horizontal position
- SMART1500LCD Digital Uninterruptible Power Supply offers voltage regulation, surge suppression and long-lasting battery support during blackouts
- Supports entry-level PCs or single VCR/DVR components during blackouts
- Regulates brownouts and overvoltages from 75V to 147V back to usable levels without using battery power
- 8 UPS battery-supported outlets
- Included DB9 serial and USB monitoring port and cable enables unattended shutdown in the case of extended power failure
- HID-compliant USB port enables full integration with built-in power management and auto shutdown features of Windows and Mac OS X
- PowerAlert software available via free download from [www.tripplite.com](http://www.tripplite.com)
- Set of phone/network protection jacks protects a single dialup/DSL phone line or network Ethernet connection
- 1500VA/900W power handling ability supports a variety of sensitive computer, home theater and other equipment
- 3.5 min. full load runtime (1500VA/900W); 13 min. half-load runtime (750VA/450W)
- Cabinet adapts to tower or rackmount shelf format. Rackmount installation brackets for 2U installation included
- 2-year product warranty
- \$250,000 connected equipment insurance (USA & Canada Only).

## TYPICAL APPLICATIONS

- Entry-level PCs, networked workstations, point-of-sale equipment, small business phone systems, audio/video equipment and home theater systems. Ideal for sensitive electronic applications in areas where brownout conditions are common.

## OPTIONS & ACCESSORIES

- USB Hubs-accessories: [U202-004-R](#), [U205-004-R](#), [U022-010](#)
- Dataline protectors: [DNET1](#), [DTEL2](#), [DCATV](#)
- Circuit tester: [CT120](#)
- Watchdog software: [WATCHDOGSW](#)
- Extended Warranties: 3 Year [WEXT3-500-1500](#), 5 Year [WEXT5-500-1500](#)

## PACKAGE INCLUDES

- SMART1500LCD Digital UPS
- USB and phone cabling
- Mounting hardware
- Manual with warranty information

## COMPLETE SPECIFICATIONS

### SYSTEM OVERVIEW

**System overview:** 1500VA line-interactive UPS

**Voltage compatibility:** 120 VAC

**Frequency compatibility:** 60

### OUTPUT

**Output volt amp capacity (VA):** 1500

**Output watt capacity (watts):** 900

**Output nominal voltage:** 120 VAC

**Output voltage regulation:** BATTERY MODE: PWM sine wave 115V +/-5%

**Output frequency regulation:** LINE MODE: Passes line frequency of 60Hz +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz

**Outlet quantity / type:** 8 NEMA 5-15R

**Overload protection:** 10A input circuit breaker

### INPUT

**Maximum input amps:** 8.5

**Input connection type:** NEMA 5-15P, right-angle plug

**Input cord length:** 6 ft./1.8m

**Recommended electrical service:** 120V 15A

### BATTERY

**Full load runtime:** 3.5 min. (900W)

**Half load runtime:** 13 min. (450W)

**Typical battery lifespan:** 4-6 years (depending on usage)

**Battery recharge rate:** 2-8 hours to 90%

### VOLTAGE REGULATION

<b>Voltage regulation description:</b>	Automatic Voltage Regulation (AVR) circuits maintain clean, regulated computer-grade 120V nominal output, without using battery power, during brownouts to 75V and overvoltages to 147V
<b>Overvoltage correction:</b>	Input voltages between 128VAC and 147VAC are reduced by 12%
<b>Brownout correction:</b>	Input voltages between 93VAC and 107VAC are boosted by 14%
<b>Severe brownout correction:</b>	Input voltages between 75VAC and 92VAC are boosted by 30%

## LEDS ALARMS & SWITCHES

<b>Front panel LEDs:</b>	Front panel LCD screen with blue backlight offers continuous input line voltage data, plus UPS status information on line power status, battery power status, battery charge level and voltage regulation operation
<b>Alarms:</b>	Audible alarm with 15-second delay sounds to indicate loss of utility power. Alarm can be silenced by pressing front panel alarm cancel button. Once silenced, alarm will re-sound when approximately 2 minutes runtime remain.
<b>Switches:</b>	Includes 2 front panel switches - one main on/off power switch and one dual-function "alarm cancel"/"self test" button

## SURGE / NOISE SUPPRESSION

<b>AC surge suppression:</b>	480 joules
<b>AC suppression response time:</b>	Instantaneous
<b>Dataline suppression:</b>	Tel/DSL or Ethernet
<b>EMI / RFI AC noise suppression:</b>	Yes

## PHYSICAL

<b>Shipping weight (lbs):</b>	31
<b>Shipping weight (kg):</b>	14.1
<b>Unit weight (lbs):</b>	29
<b>Unit weight (kg):</b>	13.2
<b>Unit Dimensions (HWD/in):</b>	Tower format: 17.25 x 3.5 x 10.5 / Rackmount Shelf format: 3.5 x 17.25 x 10.5
<b>Unit Dimensions (HWD/cm):</b>	Tower format: 43.8 x 8.9 x 26.7 / Rackmount Shelf format 8.9 x 43.8 x 26.7
<b>Shipping Dimensions (HWD/in):</b>	7 x 14.5 x 21
<b>Shipping Dimensions (HWD/cm):</b>	17.8 x 53.3 x 36.8
<b>Material of construction:</b>	ABS
<b>Form factors supported:</b>	Rack/Tower
<b>Cooling method:</b>	Convection

## ENVIRONMENTAL

<b>Operating Temperature:</b>	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
<b>Storage Temperature:</b>	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
<b>Relative Humidity:</b>	0 to 95%, non-condensing

## COMMUNICATIONS

<b>Network monitoring port:</b>	DB9 and USB
<b>Software and cabling included:</b>	USB cabling included, PowerAlert software available for free download at <a href="http://www.tripplite.com">www.tripplite.com</a>
<b>WatchDog compatibility:</b>	Yes, compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of application/OS or hard power off/on reboot of connected equipment; ideal for unattended kiosk applications

## LINE / BATTERY TRANSFER

<b>Transfer time from line power to battery mode:</b>	2-4 milliseconds
<b>Low voltage transfer to battery power:</b>	Switches to battery power as line voltage decreases to 75V or less, switches back to AC

	mode as line voltage increases to 79V or higher
<b>High voltage transfer to battery power:</b>	Switches to battery mode as line voltage increases to 147V or higher, switches back to AC mode as line voltage decreases to 143V or lower

**CERTIFICATIONS**

<b>Certifications:</b>	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), NOM (Mexico), Class B (Emissions), FCC part 68 and Industry Canada (Telecommunications)
------------------------	---

**WARRANTY**

<b>Optional coverage:</b>	3 Year: WEXT3-500-1500, 5 Year: WEXT5-500-1500
---------------------------	--

<b>Product warranty:</b>	2-year product warranty
--------------------------	-------------------------

<b>Connected equipment insurance (USA and Canada Only):</b>	\$250,000 connected equipment insurance (USA and Canada only)
---	---

**SPECIAL FEATURES**

<b>Cold Start:</b>	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
--------------------	--

<b>Appearance:</b>	Attractive black color scheme
--------------------	-------------------------------

*The policy of Tripp Lite is one of continuous improvement.  
Specifications are subject to change without notice.  
Therefore, your product may vary slightly from what is currently listed.*



**Tripp Lite World Headquarters**  
1111 W. 35th Street  
Chicago, IL 60609 USA

**Customer Support**  
(773) 869-1234

© 2006 Tripp Lite. All Rights Reserved.