



## Model #: SMART1000LCD

**SmartPro Digital UPS - Line interactive UPS for personal computers, workstations, home entertainment System and media centers**

### Highlights

- 1000VA / 1kVA line interactive tower UPS
- Maintains 120V nominal output over an input range of 89 to 132V
- Workstation / media-center optimized features supported via USB port (HID-PDC compliant), coaxial surge suppression, single line TEL / DSL surge suppression and four surge-only outlets
- Large backlit LCD input voltage display with dimmer switch rotates for upright visibility in shelf or tower placement
- Input: NEMA 5-15P (120V 15A) / Output: 8 NEMA 5-15R (120V)
- 2 year product warranty .



### Description

Tripp Lite's SMART1000LCD 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 for up to 60 minutes or individual VCR/DVR component for as long as 3 hours during power failures. Prevents data loss, viewing interruptions, lost recordings and loss of component programming. Automatic Voltage Regulation (AVR) circuits regulate brownouts as low as 89 volts back to usable levels without using battery power. Offers complete power protection in an attractive black tower configuration. Includes 4 battery-supported outlets, plus 4 additional surge suppression-only outlets for items not requiring battery support. USB port enables optional unattended system shutdown without data loss in the case of extended power failure, USB cable included.

HID-compliant USB interface enables full integration with built-in power management and auto shutdown features of Windows and Mac OS X. Built-in single-line RJ-11 phone suppression jacks protect modem, satellite receiver or other peripherals with a standard dialup/DSL phone connection. Set of 2.2 GHz coaxial jacks protect against surges entering on CATV, satellite or broadcast antenna connections. 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. The LCD display includes a dimmer switch and can be rotated for easy viewing in any application. 1000VA/500W power-handling ability supports entry-level PCs, home entertainment systems, network workstations, audio/video components. Offers 3 minutes battery runtime with a full load of 1000VA/500W and 9 minutes with a half load of 500VA/250W. 2-year warranty;

### 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.

### Package Includes

- SMART1000LCD Digital UPS
- USB and phone cabling
- Manual with warranty information

### Features

LCD Display with dimmer switch 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

SMART1000LCD Digital Uninterruptible Power Supply offers voltage regulation, surge suppression and long lasting battery support during blackouts

Supports entry level PCs up to 60 minutes or single VCR/DVR components for up to 3 hours during blackouts

Regulates brownouts as low as 89 volts back to usable levels without using battery power

4 UPS battery supported outlets, plus 4 additional surge suppression-only outlets

USB port and cable enables unattended shutdown in the case of extended power failure

HID-compliant USB interface enables full integration with built-in power management and auto shutdown features of Windows and Mac OS X.

Single-line phone suppression protects standard dialup/DSL phone connection

1000VA/500 watt power handling ability supports a variety of sensitive computer, home theater and other equipment

3 minutes full load runtime (1000VA/500 watts), 9 minutes half load runtime (500VA/250 watts)

Cabinet adapts to tower format or rackmount shelf format. Rackmount (2U) format requires an optional shelf, available separately

2-year product warranty

## Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120 VAC
Frequency compatibility	60
OUTPUT	
Output VA	1000
Output watts	500
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
INPUT	
Maximum input amps	12A
Input connection type	NEMA 5-15P
Input cord length	6ft. / 1.8m
Recommended Electrical Service	120V 15A
BATTERY	
Full load runtime	3 minutes (1000VA / 500w)
Half load runtime	9 minutes (500VA / 250w)
DC system voltage	12VDC
Typical battery lifespan	4-6 years (depending on usage)
VOLTAGE REGULATION	
Voltage regulation description	Line interactive voltage regulation corrects brownouts as low as 89V back to usable values
Direct pass through	Voltages of 105V and greater are passed through to connected equipment unchanged
Brownout correction	Input voltages between 89 and 104 are boosted by 14%
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
<b>SURGE / NOISE SUPPRESSION</b>	
<b>AC surge suppression</b>	480 joules
<b>AC suppression response time</b>	Instantaneous
<b>Dataline suppression</b>	Tel/DSL and Coaxial
<b>EMI / RFI AC noise suppression</b>	Yes
<b>PHYSICAL</b>	
<b>Shipping weight (lbs)</b>	15.6
<b>Shipping weight (kg)</b>	7.1
<b>Shipping Dimensions (HWD/in)</b>	6.5 x 15.5 x 11
<b>Shipping Dimensions (HWD/cm)</b>	16.5 x 39.4 x 27.9
<b>Unit weight (lbs)</b>	14.6
<b>Unit weight (kg)</b>	6.6
<b>Unit Dimensions (HWD/in)</b>	Tower format: 12 x 3.5 x 6.5 / Rackmount Shelf format: 3.5 x 12 x 6.5
<b>Unit Dimensions (HWD/cm)</b>	Tower format: 30.5 x 8.9 x 16.5 / Rackmount Shelf format 8.9 x 30.5 x 16.5
<b>Material of construction</b>	ABS
<b>Form factors supported</b>	Rack/Tower
<b>Cooling method</b>	Convection
<b>ENVIRONMENTAL</b>	
<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
<b>COMMUNICATIONS</b>	
<b>Network monitoring port</b>	USB (HID)
<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
<b>LINE / BATTERY TRANSFER</b>	
<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 89V or less, switches back to AC mode as line voltage increases to 94V or higher
<b>High voltage transfer to battery power</b>	Switches to battery mode as line voltage increases to 139V or higher, switches back to AC mode as line voltage decreases to 135V or lower
<b>SPECIAL FEATURES</b>	

<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
<b>CERTIFICATIONS</b>	
<b>Certifications</b>	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), NOM (Mexico), Class B (Emissions), FCC part 68 (US & Canada)
<b>WARRANTY</b>	
<b>Product warranty</b>	2 year product warranty
<b>Optional coverage</b>	3 Year: WEXT3-500-1500, 5 Year: WEXT5-500-1500

## Related Items

<b>Extended Warranties</b>		
WEXT3-500-1500	3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	Qty: [optional]
WEXT5-500-1500	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	Qty: [optional]
<b>Rack Accessories</b>		
SRSHELF2P	Fixed Shelf, 2U Cantilever mount. Required mounting hardware included	Qty: [optional]
<b>Software</b>		
WATCHDOGSW	WatchDog Service Monitoring / Reboot Software	Qty: [optional]
<b>Surge Protectors</b>		
DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	Qty: [optional]
<b>USB Hubs/Accessories</b>		
U022-010	USB Cable - 10-ft. USB 2.0 AB Gold Device Cable	Qty: [optional]