



## Model #: SMART1200LCD

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

### Highlights

1200VA / 1.2kVA line interactive, tower UPS with LCD line voltage display  
Maintains 120V nominal output over an input range of 75 to 147V  
Workstation / Home theater optimized features include USB & serial ports, plus single line TEL / DSL or ethernet line surge suppression  
Supports 2U rackmount or upright tower configurations  
Input: NEMA 5-15P (120V 15A) / Output: 8 NEMA 5-15R (120V)  
2 year product warranty



### Description

Tripp Lite's SMART1200LCD 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 ports enables optional unattended system shutdown without data loss in case of extended power failure; cabling included.

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.

1200VA/700W power-handling capacity supports entry-level PCs, home entertainment systems, network workstations and audio/video components. Offers 4 min. battery runtime with a full load of 1200VA/700W and 12 min. with a half load of 600VA/350W. :

### 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

SMART1200LCD Digital UPS  
USB, DB9 and phone cabling  
Mounting hardware  
Manual with warranty information

### Features

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

SMART1200LCD 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 ports and cables enable unattended shutdown in case of extended power failure

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

Set of phone/network protection jacks protects a single dialup/DSL phone line or network Ethernet connection

1200VA/700W power handling ability supports a variety of sensitive computer, home theater and other equipment

4 min. full load runtime (1200VA/700W); 12 min. half-load runtime (600VA/350W)

Cabinet adapts to tower or rackmount shelf format. Rackmount installation brackets for 2U installation included

2-year product warranty

## Specifications

SYSTEM OVERVIEW	
<b>Voltage compatibility</b>	120 VAC
<b>Frequency compatibility</b>	60
OUTPUT	
<b>Output VA</b>	1200
<b>Output watts</b>	700
<b>Output nominal voltage</b>	120 VAC
<b>Output voltage regulation</b>	BATTERY MODE: PWM sine wave 115V +/-5%
<b>Output frequency regulation</b>	LINE MODE: Passes line frequency of 60Hz +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz
<b>Outlet quantity / type</b>	8 NEMA 5-15R
<b>Overload protection</b>	10A input circuit breaker
INPUT	
<b>Maximum input amps</b>	7
<b>Input connection type</b>	NEMA 5-15P
<b>Input cord length</b>	6 ft./1.8m
<b>Recommended Electrical Service</b>	120V 15A
BATTERY	
<b>Full load runtime</b>	4 min. (700W)
<b>Half load runtime</b>	12 min. (350W)
<b>Typical battery lifespan</b>	4-6 years (depending on usage)
<b>Battery recharge rate</b>	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%
<b>LEDS ALARMS &amp; SWITCHES</b>	
<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 or Ethernet
<b>EMI / RFI AC noise suppression</b>	Yes
<b>PHYSICAL</b>	
<b>Shipping weight (lbs)</b>	27
<b>Shipping weight (kg)</b>	12.3
<b>Shipping Dimensions (HWD/in)</b>	7 x 21 x 14.5
<b>Shipping Dimensions (HWD/cm)</b>	17.8 x 53.3 x 36.8
<b>Unit weight (lbs)</b>	25
<b>Unit weight (kg)</b>	11.4
<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>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>Line mode BTU/hr. (Max.)</b>	243.7 BTU/hr.
<b>COMMUNICATIONS</b>	
<b>Network monitoring port</b>	DB9 and 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 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
<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 and Industry Canada (Telecommunications)
<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>Audio Cables</b>		
CT120	Instant-Read- AC Outlet Circuit Tester	Qty: [optional]
<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>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]