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## Model #: SMART1200LCD

### Smart LCD 1200VA 2U Rack/Tower Line-Interactive 120V UPS with LCD display, USB & serial ports

#### 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
- Large backlit LCD input voltage display with dimmer switch rotates for upright visibility in shelf or tower placement
- Supports 2U rackmount or upright tower configurations
- Input: NEMA 5-15P (120V 15A) / Output: 8 NEMA 5-15R (120V)
- 3 year product warranty / \$250,000 [Ultimate Lifetime Insurance](#) (USA, Puerto Rico & Canada only)

#### 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. 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. The LCD display includes a dimmer switch and can be rotated for easy viewing in any application. 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. 3-year warranty; \$250,000 [connected equipment insurance](#) (USA & Canada only).

#### 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
- 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
- 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
- 3-year product warranty
- \$250,000 [connected equipment insurance](#) (USA & Canada Only).

## Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	1200
Output kVA capacity (kVA)	1.2
Output Watt Capacity (watts)	700
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)
Basic PDU options	<a href="#">PDU1215</a> (1U / 13 5-15R outlets); <a href="#">PDUNV</a> (1U / 2 C19, 12 C13 outlets); <a href="#">PDU1415</a> (0U / 14 5-15R outlets); <a href="#">PDUV15</a> (0U / 12 5-15R outlets)
Metered PDU options	<a href="#">PDUMH15</a> (1U / 13 5-15R outlets); <a href="#">PDUMH15AT</a> (1U / 8 5-15R outlets)*; <a href="#">PDUMV15</a> (0U / 16 5-15R outlets)
Switched PDU options	<a href="#">PDUMH15ATNET</a> (1U / 8 5-15R outlets)*; <a href="#">PDUMV15NET</a> (0U / 16 5-15R outlets)
External PDU redundancy options	*Auto Transfer Switch features utilizing the secondary PDU input cord are compatible with Smart Online UPS models only
Output AC waveform (AC mode)	Sine wave
Output AC waveform (battery mode)	PWM sine wave
INPUT	
Rated input current (at maximum load)	7A
Nominal Input Voltage(s) Supported	120V AC
UPS input connection type	5-15P
Input circuit breaker	10A

UPS Input cord length (ft.)	6
UPS Input cord length (m)	1.8
Recommended Electrical Service	15A 120V
<b>BATTERY</b>	
Full load runtime (minutes)	4 min. (700w)
Half load runtime (minutes)	12 min. (350w)
DC system voltage (VDC)	24
Battery recharge rate (included batteries)	Less than 4.5 hours from 10% to 90%
<b>VOLTAGE REGULATION</b>	
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%
<b>LEDS ALARMS &amp; SWITCHES</b>	
LED Indicators	Front panel LCD display
Front panel LCD display	Backlighted LCD screen indicates input voltage, 5-bar battery charge level, overload, AVR, on battery and replace battery status; LCD screen rotates for rack/tower viewing
Alarms	Audible alarm indicates power-failure, low-battery and overload status; alarm can be disabled using PowerAlert software
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
<b>SURGE / NOISE SUPPRESSION</b>	
UPS AC suppression joule rating	480
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
<b>PHYSICAL</b>	
Installation form factors supported with included accessories	4 post 19 inch rackmount (mounting kit included); 2 post 19 inch rackmount (mounting kit included)
Included mounting accessory description	Pair of mounting ears enable tower and 2-4 post rackmount installation

<b>Primary form factor</b>	Rackmount
<b>UPS / Power Module dimensions in primary form factor (height x width x depth / inches)</b>	3.5 x 17.2 x 10.5
<b>UPS / Power Module dimensions in primary form factor (height x width x depth / cm)</b>	8.9 x 43.8 x 26.7
<b>Installed whole system maximum rack depth (inches)</b>	10.5
<b>Installed whole system maximum rack depth (cm)</b>	26.7
<b>Installed whole system total rack space height (rack spaces)</b>	2U
<b>Secondary form factor</b>	Tower
<b>Installed whole system dimensions in secondary form factor (height x width x depth / inches)</b>	17.2 x 3.5 x 10.5
<b>UPS dimensions in secondary form factor (height x width x depth / cm)</b>	43.8 x 8.9 x 26.7
<b>UPS / Power Module weight (lbs)</b>	29.4
<b>UPS / Power Module weight (kg)</b>	13.3
<b>UPS Shipping dimensions (height x width x depth / inches)</b>	7.5 x 15 x 21.5
<b>UPS Shipping dimensions (height x width x depth / cm)</b>	19 x 38.1 x 54.6
<b>Shipping weight (lbs)</b>	29.4
<b>Shipping weight (kg)</b>	13.3
<b>UPS housing material</b>	ABS
<b>ENVIRONMENTAL</b>	
<b>Operating Temperature Range</b>	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
<b>Storage Temperature Range</b>	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
<b>Relative Humidity</b>	0 to 95%, non-condensing
<b>AC mode BTU / hr. (full load)</b>	179.1
<b>Battery mode BTU / hr. (full load)</b>	487.5

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

## Related Items

### Optional Products

Product Type	Related Model	Description	Qty.
Surge Protectors	<a href="#">DTEL2</a>	Network Surge Suppressor - Essential protection for data and communication lines	-
Software	<a href="#">WATCHDOGSW</a>	WatchDog Service Monitoring / Reboot Software	-
Audio Cables	<a href="#">CT120</a>	Instant-Read- AC Outlet Circuit Tester	-
Surge Protectors	<a href="#">DNET1</a>	Network Surge Suppressor - Essential protection for data and communication lines	-
USB Hubs/Accessories	<a href="#">U022-010</a>	10-ft. USB2.0 A/B Gold Device Cable (A Male to B Male)	-
Extended Warranties	<a href="#">WEXT5-500-1500</a>	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	-

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=3193](http://www.tripplite.com/en/products/model.cfm?txtModelID=3193).

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