# 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)
- 3 year product warranty / $250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

## 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. PowerAlert software available via free download from www.tripplite.com. 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. 3-year warranty; $250,000 connected equipment insurance (USA & Canada only).

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.
- PowerAlert software available via free download from www.tripplite.com
- 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
- Supports battery replacement via built-in access panel
- 3-year product warranty
- $250,000 connected equipment insurance (USA & Canada Only)

## Specifications

| OUTPUT | |
| --- | --- |
| Output Volt Amp Capacity (VA) | 1000 |
| Output Watt Capacity (watts) | 500 |
| Nominal Output Voltage(s) Supported | 115V; 120V |
| Frequency compatibility | 60 Hz |
| Output voltage regulation (Battery mode) | 115V (+/- 5%) |
| Built-in UPS output receptacles | 8 5-15R outlet(s) |
| Surge suppression only outlets | 4 UPS outlets, 4 surge-only outlets |
| Output AC waveform (AC mode) | Sine wave |
| Output AC waveform (battery mode) | PWM sine wave |
| **INPUT** | |
| Rated input current (at maximum load) | 12A |
| Nominal Input Voltage(s) Supported | 120V AC |
| UPS input connection type | 5-15P; Space saving right angled input plug |
| UPS Input cord length (ft.) | 6 |
| UPS Input cord length (m) | 1.8 |
| Recommended Electrical Service | 15A 120V |
| **BATTERY** | |

| Full load runtime (minutes) | 3 min. (500w) |
|---|---|
| Half load runtime (minutes) | 9 min. (250w) |
| DC system voltage (VDC) | 12 |
| Battery recharge rate (included batteries) | Less than 20 hours from 10% to 90% |

### VOLTAGE REGULATION

| Voltage regulation description | Automatic voltage regulation (AVR) maintains line power operation with input voltage as low as 89 |
|---|---|
| Undervoltage correction | Input voltages between 89 and 104 are boosted by 14% |

### LEDS ALARMS & SWITCHES

| 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 |

### SURGE / NOISE SUPPRESSION

| UPS AC suppression joule rating | 1038 |
|---|---|
| UPS AC suppression response time | Instantaneous |
| UPS Dataline suppression | 1 line TEL / DSL protection (1 in / 1 out); Coax surge suppression jacks (1 set) |
| EMI / RFI AC noise suppression | Yes |

### PHYSICAL

| Installation form factors supported with included accessories | Tower |
|---|---|
| Primary form factor | Tower |
| UPS / Power Module dimensions in primary form factor (height x width x depth / inches) | 12 x 3.7 x 7.2 |
| UPS / Power Module dimensions in primary form factor (height x width x depth / cm) | 30.5 x 9.4 x 18.3 |
| Secondary form factor | Horizontal desktop placement |

| | |
|---|---|
| Installed whole system dimensions in secondary form factor (height x width x depth / inches) | 3.7 x 12 x 7.2 |
| UPS dimensions in secondary form factor (height x width x depth / cm) | 9.4 x 30.5 x 18.3 |
| UPS / Power Module weight (lbs) | 15.5 |
| UPS / Power Module weight (kg) | 7 |
| UPS Shipping dimensions (height x width x depth / inches) | 10.4 x 15.6 x 4.8 |
| UPS Shipping dimensions (height x width x depth / cm) | 26.5 x 39.5 x 12.3 |
| Shipping weight (lbs) | 15.8 |
| Shipping weight (kg) | 7.2 |
| UPS housing material | ABS |

**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) | 52.6 |
| Battery mode BTU / hr. (full load) | 536.8 |

**COMMUNICATIONS**

| | |
|---|---|
| Communications interface | USB (HID enabled) |
| PowerAlert software | Free download from www.tripplite.com |
| Communications cable | USB cable included |
| WatchDog compatibility | Supports Watchdog application, OS and hard-reboot restart options for remote applications |

**LINE / BATTERY TRANSFER**

| | |
|---|---|
| Transfer time | 4 milliseconds |
| Low voltage transfer to battery power (setpoint) | 89 |
| High voltage transfer to battery power (setpoint) | 139 |

**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); Meets FCC Part 68 / Industrie Canada (telecommunications); ROHS (Reduction of Hazardous Substances) |
|---|---|

**WARRANTY**

| Product Warranty Period (U.S., Canada & Puerto Rico) | 3 years |
|---|---|
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | $200,000 connected equipment insurance |

## Related Items

**Optional Products**

| Product Type | Related Model | Description | Qty. |
|---|---|---|---|
| USB Hubs/Accessories | U022-010 | 10-ft. USB2.0 A/B Gold Device Cable (A Male to B Male) | - |
| Software | WATCHDOGSW | WatchDog Service Monitoring / Reboot Software | - |
| Rack Accessories | SRSHELF2P | 2U Cantilever Fixed Shelf (60 lb / 27 kg capacity; 18-in. / 457 mm depth.) | - |
| Surge Protectors | DNET1 | Network Surge Suppressor - Essential protection for data and communication lines | - |
| Surge Protectors | DTEL2 | Network Surge Suppressor - Essential protection for data and communication lines | - |
| Extended Warranties | WEXT5-500-1500 | 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=3071.