Model #: SMART1500LCD

Smart LCD 1500VA 2U Rack/Tower Line-Interactive 120V UPS with LCD display, USB & serial ports

Highlights

- 1500VA / 1.5kVA 2U rack/tower 120V line interactive UPS with LCD display
- Corrects brownouts and overvoltages from 75V to 147V
- LCD screen reports input voltage, battery charge and UPS status
- USB, DB9 serial, TEL/DSL/ethernet protection, Rackmount kit
- NEMA 5-15P input plug and 8 NEMA 5-15R outlets

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. 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. 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.

Package Includes

- SMART1500LCD Digital UPS
- USB, serial 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
- 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
- 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

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

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	1500
Output kVA capacity (kVA)	1.5
Output Watt Capacity (watts)	900
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	PDU1215 (1U / 13 5-15R outlets); PDUNV (1U / 2 C19, 12 C13 outlets); PDU1415 (0U / 14 5-15R outlets); PDUV15 (0U / 12 5-15R outlets)
Metered PDU options	PDUMH15 (1U / 13 5-15R outlets); PDUMH15AT (1U / 8 5-15R outlets)*; PDUMV15 (0U / 16 5-15R outlets)
Switched PDU options	PDUMH15ATNET (1U / 8 5-15R outlets)*; PDUMV15NET (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)	8.5A
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
BATTERY	

Full load runtime (minutes)	3.5 min. (900w)
Half load runtime (minutes)	13 min. (450w)
DC system voltage (VDC)	24
Battery recharge rate (included batteries)	Less than 4.5 hours from 10% to 90%

VOLTAGE REGULATION

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%

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 and low-battery conditions
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	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

PHYSICAL

Installation form factors supported with included accessories	4 post 19 inch rackmount (mounting rail kit included); 2 post 19 inch rackmount (mounting rail kit included); Tower
Included mounting accessory description	Pair of mounting ears enable tower and 2-4 post rackmount installation
Primary form factor	Rackmount
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	3.5 x 17.3 x 10.5
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	8.9 x 43.8 x 26.7

Installed whole system maximum rack depth (inches)	10.5
Installed whole system maximum rack depth (cm)	26.7
Installed whole system total rack space height (rack spaces)	2U
Secondary form factor	Tower
Installed whole system dimensions in secondary form factor (height x width x depth / inches)	17.3 x 3.5 x 10.5
UPS dimensions in secondary form factor (height x width x depth / cm)	43.8 x 8.9 x 26.7
UPS / Power Module weight (lbs)	29.4
UPS / Power Module weight (kg)	13.3
UPS Shipping dimensions (height x width x depth / inches)	7.5 x 15 x 21.5
UPS Shipping dimensions (height x width x depth / cm)	19 x 38.1 x 54.6
Shipping weight (lbs)	33.4
Shipping weight (kg)	15.2
UPS housing material	ABS
Cooling method	Fan
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)	255
COMMUNICATIONS	
Communications interface	USB (HID enabled); DB9 Serial
Network monitoring port description	Supports detailed monitoring of UPS and site power conditions
PowerAlert software	Free download from www.tripplite.com
Communications cable	USB and DB9 Serial cabling 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)	75
High voltage transfer to battery power (setpoint)	147

SPECIAL FEATURES

Cold Start (startup in battery mode during a power failure)	Cold-start operation supported

CERTIFICATIONS

UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category B (EMI)

WARRANTY

Product Warranty Period (U.S., Canada & Puerto Rico)	3-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

Related Items

Optional Products

Product Type	Related Model	Description	Qty.
Audio Cables	CT120	Instant-Read- AC Outlet Circuit Tester	1
Extended Warranties	WEXT5-500-1500	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	1
Software	WATCHDOGSW	WatchDog Service Monitoring / Reboot Software	1
Surge Protectors	DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	1
Surge Protectors	DNET1	Network Surge Suppressor - Essential protection for data and communication lines	1
Surge Protectors	DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	1
USB Hubs/Accessories	U022-010	10-ft. USB2.0 A/B Gold Device Cable (A Male to B Male)	1

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=3151.