Model #: SMART1500LCD

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

Highlights

1500VA / 1.5kVA 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 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.

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.

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.

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

SMART1500LCD Digital UPS
USB 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

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

2-year product warranty

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120 VAC
Frequency compatibility	60
OUTPUT	
Output VA	1500
Output watts	900
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
Overload protection	10A input circuit breaker
INPUT	
Maximum input amps	8.5
Input connection type	NEMA 5-15P
Input cord length	6 ft./1.8m
Recommended Electrical Service	120V 15A
BATTERY	
Full load runtime	3.5 min. (900W)
Half load runtime	13 min. (450W)
Typical battery lifespan	4-6 years (depending on usage)
Battery recharge rate	2-8 hours to 90%
VOLTAGE REGULATION	
Voltage regulation description	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
Overvoltage correction	Input voltages between 128VAC and 147VAC are reduced by 12%
Brownout correction	Input voltages between 93VAC and 107VAC are boosted by 14%

Severe brownout correction	Input voltages between 75VAC and 92VAC are boosted by 30%

LEDS ALARMS & SWITCHES

Front panel LEDs	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
Alarms	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.
Switches	Includes 2 front panel switches - one main on/off power switch and one dual-function "alarm cancel"/"self test" button

SURGE / NOISE SUPPRESSION

AC surge suppression	480 joules
AC suppression response time	Instantaneous
Dataline suppression	Tel/DSL or Ethernet
EMI / RFI AC noise suppression	Yes

PHYSICAL

Shipping weight (lbs)	31
Shipping weight (kg)	14.1
Shipping Dimensions (HWD/in)	7 x 14.5 x 21
Shipping Dimensions (HWD/cm)	17.8 x 53.3 x 36.8
Unit weight (lbs)	29
Unit weight (kg)	13.2
Unit Dimensions (HWD/in)	Tower format: 17.25 x 3.5 x 10.5 / Rackmount Shelf format: 3.5 x 17.25 x 10.5
Unit Dimensions (HWD/cm)	Tower format: 43.8 x 8.9 x 26.7 / Rackmount Shelf format 8.9 x 43.8 x 26.7
Material of construction	ABS
Form factors supported	Rack/Tower
Cooling method	Fan

ENVIRONMENTAL

Operating Temperature	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Relative Humidity	0 to 95%, non-condensing

COMMUNICATIONS

Network monitoring port	DB9 and USB(HID)
WatchDog compatibility	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

LINE / BATTERY TRANSFER

Transfer time from line power to battery mode	2-4 milliseconds
Low voltage transfer to battery power	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

High voltage transfer to battery power	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
SPECIAL FEATURES	
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance	Attractive black color scheme
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), NOM (Mexico), Class B (Emissions), FCC part 68 and Industry Canada (Telecommunications)
WARRANTY	
Product warranty	2-year product warranty
Connected equipment insurance (USA and Canada Only	$250,000 connected equipment insurance (USA and Canada only)
Optional coverage	3 Year: WEXT3-500-1500, 5 Year: WEXT5-500-1500

Related Items

Audio Cables		
CT120	Instant-Read- AC Outlet Circuit Tester	Qty: [optional]

Extended Warranties		
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]

Software		
WATCHDOGSW	WatchDog Service Monitoring / Reboot Software	Qty: [optional]

Surge Protectors		
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]

USB Hubs/Accessories		
U022-010	USB Cable - 10-ft. USB 2.0 AB Gold Device Cable	Qty: [optional]

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