

Voltage regulation for poor power environments



Model #: TE1200

- ▶ 6 outlets
- ▶ Automatic Voltage Regulation (AVR) corrects brownouts and overvoltages
- ▶ Larger scale battery produces significantly longer runtimes
- ▶ Serial port works with software to facilitate unattended shutdown
- ▶ \$200,000 Ultimate Lifetime Insurance (USA & Canada only)

DESCRIPTION

Tripp Lite's TE1200 UPS System provides line-interactive voltage regulation and long lasting battery support for mid-size business telephone systems, voicemail systems, personal computers and other communications, network and telecom applications. 1200VA power handling capacity and large capacity battery system maintains continuous operation through power interruptions with over 2 hours runtime for many 32 line phone systems and over 1 hour for larger systems up to 64 lines. Line interactive voltage regulation maintains normal 120 volt output levels during brownouts as low as 75V and overvoltages as high as 147V, saving battery reserves for use only during complete power failures. Includes 6 outlets, diagnostic LEDs and a built-in serial port that works with PowerAlert Software and cabling to provide automatic unattended shutdown of network and PC applications (part# 75-0195). \$200,000 Ultimate Lifetime Insurance (USA & Canada Only).

KEY BUYING POINTS

- Provides connected equipment with continuous power during short and long duration loss of commercial power
- Line-interactive voltage regulation corrects brownouts and overvoltages from 75 to 147 volts back to usable 120V output levels, without using battery power
- Supports loads up to 1200VA / 940 watts
- Up to 144 minutes runtime with 32 line Norstar Compact ICS phone system (requires approx. 110VA)
- Up to 74 minutes runtime with 64 line Norstar Modular ICS phone system (requires approx. 200VA)
- 16 minutes half load runtime (600VA/470 watts), 7 minutes full load runtime (1200VA/940 watts)
- 6 protected outlets; 6-ft. cord
- DB9 serial network interface
- Complete surge protection and EMI/RFI noise filtering
- \$200,000 Ultimate Lifetime Insurance (USA & Canada Only) — 2 year product warranty — No warranty cards required for coverage!
- 5 diagnostic LEDs indicate AC present, on battery, voltage correction, overload & battery low/replace
- Battery replacement door

TYPICAL APPLICATIONS

- Small and mid-size business telephone systems, voicemail systems, hubs, routers, bridges, concentrators, IP telephony, desktop PCs, network file servers and more.

OPTIONS & ACCESSORIES

- Wallmount Bracket: [UPSWM](#)
- Dataline protectors: [DNET1](#), [DTEL2](#), [DCATV](#)
- Circuit Tester: [CT120](#)
- Extended warranties: 3 Year [WEXT3-OMNI](#), 5 Year [WEXT5-OMNI](#)

PACKAGE INCLUDES

- TE1200 UPS System

- Warranty information
- Instruction manual

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW	
Voltage compatibility:	120V AC
Frequency compatibility:	60Hz
OUTPUT	
Output volt amp capacity (VA):	1200
Output watt capacity (watts):	940
Output nominal voltage:	120V AC
Output voltage regulation:	LINE MODE: Sine wave line voltage 120V (-18% / +8%) BATTERY MODE: PWM sine wave output 120V +/-5%
Output frequency regulation:	LINE MODE: Passes line frequency of 60Hz +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz
Outlet quantity / type:	6 NEMA 5-15R
INPUT	
Maximum input amps:	8.25A / 990 watts
Input connection type:	NEMA 5-15P
Input cord length:	6 ft., 14 gauge
Recommended electrical service:	15A 120V
BATTERY	
Full load runtime:	7 minutes (1200VA)
Half load runtime:	16 minutes (600VA)
DC system voltage:	36 VDC
Typical battery lifespan:	3-6 years, depending on usage
Battery recharge rate:	2-4 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 128 and 147V AC are reduced by 12%
Direct pass through:	Input voltages between 108 and 127V AC are passed on to connected equipment unchanged
Brownout correction:	Input voltages between 93 and 107V AC are boosted by 14%
Severe brownout correction:	Input voltages between 75 and 92V AC are boosted by 30%
LEDS ALARMS & SWITCHES	
Front panel LEDs:	5 front panel LEDs indicate line power status, battery power status, battery low/replace status, voltage regulation operation and overload status
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:	1800 joules
AC suppression response time:	Instantaneous
EMI / RFI AC noise suppression:	Yes
PHYSICAL	
Shipping weight (lbs):	39
Shipping weight (kg):	17.7
Unit weight (lbs):	36.5
Unit weight (kg):	16.6
Unit Dimensions (HWD/in):	12.75 x 7.5 x 9
Unit Dimensions (HWD/cm):	32.4 x 19.1 x 22.9
Material of construction:	PVC
Form factors supported:	Tower, wall mountable with optional UPSWM accessory
Cooling method:	Convection
Battery Access:	Battery access door allows user replacement of UPS batteries
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:	Built-in DB9 port supports on battery, low battery and power restored messaging. Compatible with Tripp Lite's PowerAlert UPS monitoring and unattended shutdown software.
Software and cabling included:	PowerAlert software available for free download at www.tripplite.com
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 75 volts or less. Resets back to line power mode as line voltage increases to 79V or higher.
High voltage transfer to battery power:	Switches to battery power as line voltage increases to 147 volts or higher. Resets back to line power mode as line voltage decreases to 143V or less.
CERTIFICATIONS	
Certifications:	UL1778 (USA), cUL (Canada), FCC Class B (emissions), NOM (Mexico)
WARRANTY	
Optional coverage:	3-5 year warranties, plus next day and on-site warranty coverage available. Contact Tripp Lite for additional information.
Product warranty:	2 year product warranty
Connected equipment insurance (USA and Canada Only):	\$200,000 connected equipment insurance (USA and Canada only)
SPECIAL FEATURES	
Cold Start:	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance:	Attractive gray tower UPS

*The policy of Tripp Lite is one of continuous improvement.
Specifications are subject to change without notice.
Therefore, your product may vary slightly from what is currently listed.*



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