



Tripp Lite
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Model #: TE600

TE600 - Voltage regulation for poor power environments



Highlights

- 6 outlets (3 UPS/surge, 3 surge-only)
- 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, Puerto Rico & Canada only)

Description

Tripp Lite's TE600 UPS System provides line-interactive voltage regulation and long lasting battery support for small business telephone systems, voicemail systems, personal computers and other communications, network and telecom applications. 600VA power handling capacity and large capacity battery system maintains continuous operation through power interruptions with over 1 hour runtime for many phone systems. Line interactive voltage regulation maintains normal 120 volt output levels during brownouts as low as 75 and overvoltages as high as 147, saving battery reserves for use only during complete power failures. Unique design features 6 protected outlets (3 UPS supported & 3 surge-suppression only), 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).

Applications

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

Package Includes

- TE600 UPS System
- Warranty information
- Instruction manual

Features

- 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 600VA/425 watts
- 22 minutes half load runtime (300VA/210 watts), 7 minutes full load runtime (600VA/425 watts)
- 6 protected outlets total (3 UPS Supported & 3 surge-suppression only); 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!
- 4 diagnostic LEDs indicate AC present, on battery, voltage correction & battery low/replace
- Battery replacement door

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120V AC
Frequency compatibility	60Hz
OUTPUT	
Output VA	600
Output watts	425
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	12A / 1440 watts
Input connection type	NEMA 5-15P, right-angle plug
Input cord length	6 ft., 14 gauge
Recommended Electrical Service	15A 120V
BATTERY	
Full load runtime	9 minutes (600VA)
Half load runtime	22 minutes (300VA)
DC system voltage	12 VDC
Typical battery lifespan	3-6 years, depending on usage
Battery recharge rate	2-4 hours to 90%
Replacement Battery Cartridge	RBC52 (quantity 2)
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	4 front panel LEDs indicate line power status, battery power status, battery low/replace status 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	-
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Shipping weight (lbs)	21
Shipping weight (kg)	9.5
Unit weight (lbs)	19
Unit weight (kg)	8.6
Unit Dimensions (HWD/in)	10.75 x 5.25 x 7.25
Unit Dimensions (HWD/cm)	27.3 x 13.3 x 18.4
Material of construction	PVC
Form factors supported	Tower
Cooling method	Convection
Battery Access	Battery access door allows user replacement of UPS batteries. Hot-swappable battery replacement supported.
ENVIRONMENTAL	
Relative Humidity	0 to 95%, non-condensing
Storage Temperature	+5 to +122 degrees Fahrenheit, -15 to +50 degrees Celsius
Operating Temperature	+32 to +104 degrees Fahrenheit, 0 to +40 degrees Celsius
COMMUNICATIONS	
Network monitoring port	DB9
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.
SPECIAL FEATURES	
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance	Attractive gray tower UPS
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), cUL (Canada), FCC Class B (emissions), NOM (Mexico)
WARRANTY	
Product Warranty Period	2 year product warranty
Connected Equipment Coverage	\$200,000 connected equipment insurance (USA and Canada only)
Optional Coverage	3-5 year warranties, plus next day and on-site warranty coverage available. Contact Tripp Lite for additional information.

Related Items

Audio Cables		
CT120	Instant-Read- AC Outlet Circuit Tester	Qty: [optional]
Extended Warranties		
WEXT3-OMNI	3-Year Extended Warranty - For OmniSmart, OmniPro, OmniVS	Qty: [optional]
WEXT5-OMNI	5-Year Extended Warranty - For OmniSmart, OmniPro, OmniVS	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]
Wallmount Bracket		
UPSWM	Wallmount Bracket and installation accessories (4 washers, 4 screws, 1 Velcro safety strap)	Qty: [optional]

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=66.