

# Smart Pro Tower UPS System

Intelligent, line-interactive network power management system



## Model #: SMART700

- ▶ 700VA line interactive tower UPS system for 120V network applications
- ▶ Enhanced USB communications port, free software and cabling
- ▶ Corrects brownouts and overvoltages from 75 to 147V
- ▶ 6 outlets
- ▶ \$250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

## DESCRIPTION

Tripp Lite's SMART 700 intelligent, line interactive UPS system protects servers, networking accessories and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Large internal batteries offer 20 minutes half load runtime and 6 minutes at full load during power failures. 700VA / 450 watt power handling capability supports a variety of networking, telecom and various other application types, including the support of multiple network workstations. Includes a total of 6 UPS supported outlets. Supports remote monitoring of UPS and site power conditions via built-in USB monitoring port. Includes PowerAlert UPS monitoring and unattended shutdown software with complete cabling. Built-in audible alarm and 5 front panel LEDs indicate status of line power, battery power, battery low/replace, voltage regulation and load level. Wall mountable with UPSWM wallmount bracket. Network-grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges. Attractive, small-footprint tower housing uses less than 53 square inches of floor or desktop space. Two year warranty with \$250,000 connected equipment insurance.

## KEY BUYING POINTS

- 700VA / 450 watt power handling capability supports a variety of networking, telecom and various other application types
- Built-in voltage regulation and battery support, plus complete AC line surge suppression prevents equipment damage, data loss and downtime
- Large internal batteries offer 20 minutes half load runtime and 6 minutes at full load during power failures
- Automatic Voltage Regulation (AVR) circuits with two boost and one voltage reduction level maintains usable 120V nominal output over an input voltage range of 75-147V
- Includes a total of 6 NEMA5-15R outlets
- Includes USB communications port for remote monitoring of UPS status and site power conditions
- Communications port enables safe unattended shutdown without data loss during extended power failures
- Communications port supports messaging of UPS and line power status, including on-battery, low-battery, power-restored, AC line voltage, DC battery voltage and battery capacity
- Communications ports support timed inverter shutoff after unattended shutdown, activate self-test and 10 second reboot of connected equipment
- PowerAlert UPS monitoring and unattended shutdown software with complete cabling included
- Battery replacement door
- Supports Tripp Lite's WatchDog software application to restore unresponsive programs by automatically restarting them and rebooting completely locked computers by automatically switching UPS power off and back on again
- Notification of system status via 5 LEDs and multi-function audible alarms
- Wall mountable with UPSWM wallmount bracket
- Attractive small footprint black tower housing uses less than 53 square inches
- Hot-swappable batteries allow on-site battery replacement
- Cold start capability enables UPS turn-on in battery mode during blackout conditions
- UL (USA), cUL (Canada), NOM (Mexico), Class A (Emissions) Listed
- \$250,000 Ultimate Lifetime Insurance.
- 2 year manufacturers product warranty

## TYPICAL APPLICATIONS

- Ideal for the protection of file servers, network accessories and telecommunications equipment. Common applications include any mix of servers, workstations, hubs, routers, concentrators, IP telephony and traditional PBX switching systems. Ideal for sensitive electronic applications in areas where brownouts and overvoltages are common.

## OPTIONS & ACCESSORIES

- USB Hubs-accessories: [U202-004-R](#), [U205-004-R](#), [U022-010](#)
- Dataline protectors: [DNET1](#), [DTEL2](#), [DCATV](#)
- Wallmount Bracket: [UPSWM](#)
- Circuit Tester: [CT120](#)
- Power Distribution: [PDU1215](#)
- Extended warranties: 3 Year [WEXT3-500-1500](#), 5 Year [WEXT5-500-1500](#)

## PACKAGE INCLUDES

- SMART 700 UPS System
- Monitoring cable
- PowerAlert unattended shutdown and UPS/Power monitoring software
- Instruction manual with warranty information

## COMPLETE SPECIFICATIONS

### SYSTEM OVERVIEW

**System overview:** Line interactive tower UPS protects internetworking and telecommunications equipment from blackouts, brownouts, overvoltages, surges and line noise. Maintains AC output during blackouts and continuously corrects brownouts and overvoltages from 75 to 147 volts back to normal 120V levels. Supports enhanced monitoring of UPS and line power conditions via USB serial port, included PowerAlert UPS monitoring software and cabling.

**Voltage compatibility:** 120V AC

**Frequency compatibility:** 60Hz

### OUTPUT

**Output volt amp capacity (VA):** 700

**Output watt capacity (watts):** 450

**Output nominal voltage:** 120V AC

**Output voltage regulation:** LINE MODE: Sine wave line voltage 120V (-18% / +8%)

**Output frequency regulation:** LINE MODE: Passes line frequency of 60Hz +/-10%

**Outlet quantity / type:** 6 NEMA 5-15R

### INPUT

**Maximum input amps:** 4.4A / 490 watts

**Input connection type:** NEMA 5-15P

**Input cord length:** 6 ft., 16 gauge

**Recommended electrical service:** 15A 120V

### BATTERY

**Full load runtime:** 6 minutes (700VA)

**Half load runtime:** 20 minutes (350VA)

<b>DC system voltage:</b>	12 VDC
<b>Typical battery lifespan:</b>	3-6 years, depending on usage
<b>Battery recharge rate:</b>	2-4 hours to 90%
<b>Replacement Battery Cartridge:</b>	RBC52 (quantity 2)

## VOLTAGE REGULATION

<b>Voltage regulation description:</b>	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
<b>Overvoltage correction:</b>	Input voltages between 128 and 147V AC are reduced by 12%
<b>Direct pass through:</b>	Input voltages between 108 and 127V AC are passed on to connected equipment unchanged
<b>Brownout correction:</b>	Input voltages between 93 and 107V AC are boosted by 14%
<b>Severe brownout correction:</b>	Input voltages between 75 and 92V AC are boosted by 30%

## LEDS ALARMS & SWITCHES

<b>Front panel LEDs:</b>	Includes 5 front panel LEDs to indicate BATTERY CHARGE LEVEL, AC LINE POWER STATUS, VOLTAGE REGULATION STATUS, UPS LOAD LEVEL and BATTERY LOW / REPLACE information
<b>Alarms:</b>	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.
<b>Switches:</b>	Includes 2 front panel switches—one main on/off power switch and one dual function "alarm cancel" / "self test" button

## SURGE / NOISE SUPPRESSION

<b>AC surge suppression:</b>	480 joules
<b>AC suppression response time:</b>	Instantaneous
<b>EMI / RFI AC noise suppression:</b>	Yes

## PHYSICAL

<b>Shipping weight (lbs):</b>	24
<b>Shipping weight (kg):</b>	10.9
<b>Unit weight (lbs):</b>	22
<b>Unit weight (kg):</b>	10.0
<b>Unit Dimensions (HWD/in):</b>	11.75 x 7.25 x 7.5
<b>Unit Dimensions (HWD/cm):</b>	29.8 x 18.4 x 19.1
<b>Shipping Dimensions (HWD/in):</b>	15.5 x 11 x 11.25
<b>Shipping Dimensions (HWD/cm):</b>	39.4 x 28 x 28.6
<b>Material of construction:</b>	PVC
<b>Form factors supported:</b>	Tower
<b>Cooling method:</b>	Convection
<b>Battery Access:</b>	Battery access door allows user replacement of UPS batteries

## ENVIRONMENTAL

<b>Operating Temperature:</b>	+32 to +104 degrees Fahrenheit
<b>Storage Temperature:</b>	+5 to +122 degrees Fahrenheit
<b>Relative Humidity:</b>	0 to 95%, non-condensing

## COMMUNICATIONS

<b>Network monitoring port:</b>	Built-in USB port supports on battery, low battery, power restored, AC line voltage, DC
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battery voltage, load percentage, battery charge current, battery capacity, internal UPS temperature and line frequency status messaging. Interface supports timed inverter shutoff after unattended shutdown, activate self-test and 10 second reboot of connected equipment. Supports reboot of all connected devices at once via software interface. Compatible with Tripp Lite's PowerAlert software.

**Software and cabling included:**

Includes PowerAlert UPS monitoring and auto-shutdown software and cabling

**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 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 to line power mode as line voltage decreases to 143V or less.

**CERTIFICATIONS**

**Certifications:**

UL1778 (USA), cUL (Canada), Class A (Emissions), NOM (Mexico)

**WARRANTY**

**Optional coverage:**

3-5 year warranties, plus next day and on-site warranty coverage available for select opportunities. Contact Tripp Lite for additional information.

**Product warranty:**

2 year product warranty

**Connected equipment insurance (USA and Canada Only):**

\$250,000 connected equipment insurance (USA / Canada only)

**SPECIAL FEATURES**

**Cold Start:**

Yes, inverter can be "cold started" to enable temporary AC output during a power failure

**Appearance:**

Attractive black 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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