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# SmartProTowerUPSSystem

Intelligent, line-interactive battery backup and network power management



## Model#: SMART700

- ▶ 700VA line interactive tower UPS system
- ▶ Enhanced USB communications port
- ▶ Corrects brownouts and overvoltages from 75 to 147V
- ▶ 6 outlets
- ▶ \$50,000 Ultimate Lifetime Insurance (USA & Canada only)

**Tech Data**

**Order Now!**

TechData Part Number:  
**880914**



## DESCRIPTION

Tripp Lite's SMART700 intelligent, line interactive UPS system protects servers, networking accessories and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Large internal batteries offer 23 minutes half load runtime and 8 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 wall mount 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 \$50,000 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 modem 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 NEMA 5-15R 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 port supports timed inverter shutoff after unattended shutdown, activates 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 wall mount bracket
- Attractive small footprint gray tower housing uses less than 53 square inches

- Hot-swappable/userreplaceablebatteriesallowon -sitebatteryreplacement
- ColdstartcapabilityenablesUPSturn- oninbatterymodeduringblackoutconditions
- UL(USA),cUL(Canada),NOM(Mexico),FCCClassA(Business)Listed
- \$50,000UltimateLifetimeInsurance.
- 2yearmanufacturersproductwarranty

## TYPICALAPPLICATIONS

- Idealforthe protectionoffileservers, networkaccessoriesandtelecommunicationsequipment. Commonapplicationsincludeanymix of servers, workstations, hubs, routers, concentrators, IP telephony and traditional PBX switching systems. Ideal for sensitive electronicapplicationsinareaswherebrownoutsandovervoltagesarecommon.

## OPTIONS&ACCESSORIES

- USBHubs -accessories:U202 -004-R,U205 -004-R,DUSB,U022 -010
- Datalineprotectors:DNET1,DTEL2,DCATV
- WallmountBracket:UPSWM
- CircuitTester:CT120
- PowerDistribution:PDU1215

## PACKAGEINCLUDES

- SMART700UPSSystem
- Monitoringcable
- PowerAlertunattendedshutdownandUPS/Powermonitoringsoftware
- Instructionmanualwithwarrantyinformation

## COMPLETESPECIFICATIONS

SYSTEMOVERVIEW	
<b>Systemoverview:</b>	LineinteractivetowerUPSprotectsinternetworkingandtelecommunicationsequipmentfrom blackouts,brownouts,overvoltages,surgesandlinenoise.MaintainsACoutputduring blackoutsandcontinuouslycorrectsbrownoutsandovervoltagesfrom75to147voltsbackto normal120Vlevels.SupportsenhancedmonitoringofUPSandlinepowerconditionsvia USBserialport,includedPowerAlertUPSmonitoringsoftwareandcabling.
<b>Voltagecompatibility:</b>	120VAC
<b>Frequencycompatibility:</b>	60Hz
OUTPUT	
<b>Outputvoltampcapacity(VA):</b>	700
<b>Outputwattcapacity(watts):</b>	450
<b>Outputnominalvoltage:</b>	120VAC
<b>Outputvoltage regulation:</b>	LINEMODE:Sinewavelinevoltage120V( -18%/+8%) BATTERYMODE:PWMSinewaveoutput120V+/ -5%
<b>Outputfrequency regulation:</b>	LINEMODE:Passeslinefrequencyof60Hz+/ -10% BATTERYMODE:Inverteroutputregulatedto60Hz+/ -0.5Hz
<b>Outletquantity/type:</b>	6NEMA5 -15R
INPUT	
<b>Maximuminputamps/watts:</b>	4.4A/490watts
<b>Inputconnectiontype:</b>	NEMA5 -15P

<b>Input cord length:</b>	6ft., 16gauge
<b>Recommended electrical service:</b>	15A120V
<b>BATTERY</b>	
<b>Full load runtime:</b>	6minutes(700VA)
<b>Half load runtime:</b>	20minutes(350VA)
<b>DC system voltage:</b>	12VDC
<b>Typical battery lifespan:</b>	3-6years, depending on usage
<b>Battery recharge rate:</b>	2-4hours to 90%
<b>VOLTAGE REGULATION</b>	
<b>Voltage regulation description:</b>	Automatic Voltage Regulation (AVR) circuits maintain clean, regulated computer -grade 120V nominal output, without using battery power, during brownout to 75V and overvoltage to 147V
<b>Overvoltage correction:</b>	Input voltages between 128 and 147VAC are reduced by 12%
<b>Direct passthrough:</b>	Input voltages between 108 and 127VAC are passed onto connected equipment unchanged
<b>Brownout correction:</b>	Input voltages between 93 and 107VAC are boosted by 14%
<b>Severe brownout correction:</b>	Input voltages between 75 and 92VAC are boosted by 30%
<b>LEDS ALARMS &amp; SWITCHES</b>	
<b>Front panel LEDs:</b>	Includes 5 front panel LEDs to indicate BATTERY CHARGE LEVEL, A/C LINE POWER STATUS, VOLTAGE REGULATION STATUS, UPS LOAD LEVEL and BATTERY LOW/REPLACE information
<b>Alarms:</b>	Audible alarm with 15 second delay sound 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
<b>SURGE/NOISE SUPPRESSION</b>	
<b>AC surge suppression:</b>	Conforms to IEEE 587/ANSI C62.41 specifications
<b>AC suppression response time:</b>	Instantaneous
<b>EMI/RFI AC noise suppression:</b>	Yes
<b>PHYSICAL</b>	
<b>Shipping weight (lbs):</b>	25
<b>Shipping weight (kg):</b>	11.4
<b>Unit weight (lbs):</b>	22
<b>Unit weight (kg):</b>	10.0
<b>Unit Dimensions (HWD/in):</b>	11.75x7.25x7.25
<b>Unit Dimensions (HWD/cm):</b>	29.8x18.4x18.4
<b>Material of construction:</b>	PVC
<b>Form factors supported:</b>	Tower, wall mountable with optional UPSWMAccessory
<b>Cooling method:</b>	Convection
<b>Battery Access:</b>	Battery access door allows user replacement of UPS batteries
<b>ENVIRONMENTAL</b>	
<b>Operating Temperature:</b>	+32 to +104 degrees Fahrenheit 0 to +40 degrees Celsius
<b>Storage Temperature:</b>	+5 to +122 degrees Fahrenheit -15 to +50 degrees Celsius

<b>RelativeHumidity:</b>	0to95%,non -condensing
<b>COMMUNICATIONS</b>	
<b>Networkmonitoringport:</b>	Built-inUSBportsonbattery,lowbattery,powerrestored,AClinevoltage,DC batteryvoltage,loadpercentage,batterychargecurrent,batterycapacity,internalUPS temperatureandlinefrequencystatusmessaging.Interfacestosupportstimedinvertershutoff afterunattendedshutdown,activateself -testand10secondrebootofconnectedequipment. Supportsrebootofallconnecteddevicesatonceviasoftwareinterface.Compatiblewith TrippLite'sPowerAlertsoftware.
<b>Softwareandcablingincluded:</b>	IncludesPowerAlertUPSmonitoringandauto -shutdownsoftwareandcabling
<b>WatchDogcompatibility:</b>	Yes,compatiblewithTrippLite'sWatchdogssystemservicetorestoreoperationtolocked equipmentthroughsoftrebootofapplication/OSorhardpoweroff/onrebootofconnected equipment -idealforunattendedkioskapplications
<b>LINE/BATTERYTRANSFER</b>	
<b>Transfertimefromlinepowertobattery mode:</b>	2-4milliseconds
<b>Lowvoltage transfertobattery power:</b>	Switchestobattery poweraslinevoltage decreases to 75volts or less. Resets back to line power mode as line voltage increases to 79V or higher.
<b>Highvoltage transfertobattery power:</b>	Switchestobattery poweraslinevoltage increases to 147volts or higher. Resets to line power mode as line voltage decreases to 143V or less.
<b>CERTIFICATIONS</b>	
<b>Certifications:</b>	UL1778(USA),cUL(Canada),FCCClassB(emissions),NOM(Mexico)
<b>WARRANTY</b>	
<b>Productwarranty:</b>	2yearproductwarranty
<b>Connectedequipmentinsurance:</b>	\$50,000connectedequipmentinsurance(USA/Canadaonly)
<b>Optionalcoverage:</b>	3-5yearwarranties,plustnextdayandon -sitewarrantycoverageavailableforselect opportunities.ContactTrippLiteforadditionalinformation.
<b>SPECIALFEATURES</b>	
<b>ColdStart:</b>	Yes,invertercanbe"coldstarted"toenabletemporaryACoutputduringapowerfailure
<b>Appearance:</b>	AttractivegraytowerUPS

*The policy of Tripp Lite is one of continuous improvement.*

*Specifications are subject to change without notice.*