SmartPro Tower UPS System

Intelligent, line-interactive battery backup and network power management

Model #: SMART700SER

▶ 700VA line interactive tower UPS system for 120V network applications

▶ Enhanced DB9 serial communications port, free PowerAlert software and cabling, SNMP compatible

▶ Corrects brownouts and overvoltages from 75 to 147V

▶ 6 AC outlets

▶ $250,000 Ultimate Lifetime Insurance (USA & Canada only)

DESCRIPTION

Tripp Lite's SMART700SER is an intelligent, line-interactive UPS with DB9 serial port. It 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 DB9 serial 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 user-supplied 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 minimal 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 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 NEMA5-15R outlets
- PowerAlert Software and DB9 serial communications port enable remote monitoring of UPS status and site power conditions; safe unattended shutdown without data loss during extended power failures; messaging of UPS and line power status: 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
- Notification of system status via 5 LEDs and multi-function audible alarms
- Wall mountable with user-supplied UPSWM wallmount bracket
- Cold start capability enables UPS turn-on in battery mode during blackout conditions
- 2 year manufacturer's product warranty
- $250,000 Ultimate Lifetime Insurance

TYPICAL APPLICATIONS

- Ideal for the protection of fileservers, 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

- Dataline protectors: DNET1, DTEL2, DCATV
- SNMP accessories: SNMPWEBSOLO, ENVIROSENSE
- Circuit Tester: CT120
- Power Distribution: PDU1215
- Wallmount Bracket: UPSWM
- Extended warranties: 3 Year WEXT3-500-1500, 5 Year WEXT5-500-1500

PACKAGE INCLUDES

- SMART700 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 with DB9 serial port 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 communications port, included PowerAlert monitoring software and cabling. SNMP compatible.
Voltage compatibility:	120VAC
Frequency compatibility:	60Hz

OUTPUT	
Output volt amp capacity (VA):	700
Output watt capacity (watts):	450
Output nominal voltage:	120VAC
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
Overload protection:	Via 10A input circuit breaker

INPUT	
Maximum input amps:	4.33A / 520 watts
Input connection type:	NEMA 5-15P
Input cord length:	7 ft., 16 gauge
Recommended electrical service:	15A 120V

BATTERY	
Full load runtime:	6 minutes (700VA)
Half load runtime:	20 minutes (350VA)
DC system voltage:	12 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 147VAC are reduced by 12%
Direct pass through:	Input voltages between 108 and 127VAC are passed on to connected equipment unchanged
Brownout correction:	Input voltages between 93 and 107VAC are boosted by 14%
Severe brownout correction:	Input voltages between 75 and 92VAC are boosted by 30%

LEDS ALARMS & SWITCHES

Front panel LEDs:	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
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):	23.5
Shipping weight (kg):	10.7
Unit weight (lbs):	21
Unit weight (kg):	9.5
Unit Dimensions (HWD/in):	11.75 x 7.25 x 7.75
Unit Dimensions (HWD/cm):	29.8 x 18.4 x 19.7
Shipping Dimensions (HWD/in):	15 x 11.25 x 10.75
Shipping Dimensions (HWD/cm):	38.1 x 28.6 x 27.3
Material of construction:	Polycarbonate
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
Line mode BTU/hr. (Max.):	39.2
Battery mode BTU/hr. (Max.):	133.0

COMMUNICATIONS

Network monitoring port:	Built-in DB9 port supports on battery, low battery, power restored, AC line voltage, DC 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
SNMP compatibility:	Yes, with SNMPWEBSOLO external SNMP adapter
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), FCC Class B (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 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.

TRIPP·LITE

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