



**Tripp Lite**  
1111 West 35th Street  
Chicago, IL 60609 USA  
Telephone: +(773) 869 1234  
E-mail: [saleshelp@tripplite.com](mailto:saleshelp@tripplite.com)

## Model #: SMART700SER

### SmartPro Tower UPS System - Intelligent, line-interactive battery backup and network power management



#### Highlights

- 700VA line interactive tower UPS
- Maintains 120V nominal output over an input range of 75 to 147V
- Network communications supported via serial port
- Current monitoring
- Input: NEMA 5-15P (120V 15A) / Output: 6 NEMA 5-15R (120V)
- 2 year product warranty / \$250,000 [Ultimate Lifetime Insurance](#) (USA, Puerto Rico & Canada only)

#### Description

Tripp Lite's SMART 700SER 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](#).

#### 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.

#### Package Includes

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

#### Features

- 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](#)

## Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120V AC
Frequency compatibility	60Hz
OUTPUT	
Output VA	700
Output watts	450
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
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%
Replacement Battery Cartridge	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 147VAC are reduced by 12%
<b>Direct pass through</b>	Input voltages between 108 and 127VAC are passed on to 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, 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
<b>SURGE / NOISE SUPPRESSION</b>	
<b>AC surge suppression</b>	480 joules
<b>AC suppression response time</b>	Instantaneous
<b>EMI / RFI AC noise suppression</b>	Yes
<b>PHYSICAL</b>	
<b>Shipping weight (lbs)</b>	23.5
<b>Shipping weight (kg)</b>	10.7
<b>Shipping Dimensions (HWD/in)</b>	15 x 11.25 x 10.75
<b>Shipping Dimensions (HWD/cm)</b>	38.1 x 28.6 x 27.3
<b>Unit weight (lbs)</b>	21
<b>Unit weight (kg)</b>	9.5
<b>Unit Dimensions (HWD/in)</b>	11.75 x 7.25 x 7.75
<b>Unit Dimensions (HWD/cm)</b>	29.8 x 18.4 x 19.7
<b>Material of construction</b>	Polycarbonate
<b>Form factors supported</b>	Tower
<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>Relative Humidity</b>	0 to 95%, non-condensing

<b>Line mode BTU/hr. (Max.)</b>	39.2
<b>Battery mode BTU/hr. (Max.)</b>	133.0
<b>COMMUNICATIONS</b>	
<b>Network monitoring port</b>	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.
<b>Software and cabling included</b>	Includes PowerAlert UPS monitoring and auto-shutdown software and cabling
<b>LINE / BATTERY TRANSFER</b>	
<b>Transfer time from line power to battery mode</b>	2-4 milliseconds
<b>Low voltage transfer to battery power</b>	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.
<b>High voltage transfer to battery power</b>	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.
<b>CERTIFICATIONS</b>	
<b>Certifications</b>	Tested to UL1778 (USA), cUL (Canada), FCC Class B (emissions), NOM (Mexico)
<b>WARRANTY</b>	
<b>Product warranty</b>	2 year product warranty
<b>Connected equipment insurance (USA and Canada Only)</b>	\$250,000 connected equipment insurance (USA / Canada only)
<b>Optional coverage</b>	3-5 year warranties, plus next day and on-site warranty coverage available for select opportunities. Contact Tripp Lite for additional information.
<b>SPECIAL FEATURES</b>	
<b>Cold Start</b>	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
<b>Appearance</b>	Attractive gray tower UPS

More information, including related products, owner's manuals, and additional technical specifications, can be found online at [www.tripplite.com/products/model.cfm?txtModelID=2670](http://www.tripplite.com/products/model.cfm?txtModelID=2670).