

## SmartPro 120V 750VA 450W Line Interactive UPS, AVR (Reduce & Boost), Tower, USB

MODEL NUMBER: **SMART750**



### Description

Tripp Lite's SMART750 intelligent, line-interactive UPS system protects servers, networking accessories and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Large internal batteries offer 16.2 minutes half load runtime and 5.6 minutes at full load during power failures. 750VA/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.

### Features

- 750VA/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 16.2 minutes half load runtime and 5.6 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 port supports 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 allows on-site hot-swap battery replacement
- 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

### Highlights

- 750VA line interactive tower UPS system
- 120V nominal output during brownouts to 75V and overvoltages to 147V
- Front panel status LEDs with load and battery capacity level display
- USB communications port; Hot-swappable batteries
- NEMA 5-15P input; 6 NEMA 5-15R outlets

### Package Includes

- SMART750 UPS System
- Monitoring cable
- PowerAlert unattended shutdown and UPS/Power monitoring software
- Instruction manual



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- Notification of system status via 5 LEDs and multi-function audible alarms
- Wall mountable with UPSWM wallmount bracket
- Cold start capability enables UPS turn-on in battery mode during blackout conditions

## Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	750
Output Watt Capacity (Watts)	450
Power Factor	0.6
Nominal Output Voltage(s) Supported	115V; 120V
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	-18%, +8%
Output Voltage Regulation (Battery Mode)	115V (+/- 5%)
Output Receptacles	(6) 5-15R
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	PWM sine wave
INPUT	
Rated input current (Maximum Load)	4.4A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-15P
UPS Input Cord Length (ft.)	6
UPS Input Cord Length (m)	1.8
Recommended Electrical Service	15A 120V
Input Phase	Single-Phase
BATTERY	
Full Load Runtime (min.)	5.6 min. (450w)
Half Load Runtime (min.)	16.2 min. (225w)
DC System Voltage (VDC)	12
Battery Recharge Rate (Included Batteries)	Less than 6 hours from 10% to 90% (typical, full load discharge)
Internal UPS Replacement Battery Cartridge	<a href="#">RBC52</a> (quantity 2)
Battery Access	Battery access door



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Battery Replacement Description	Hot-swappable, user replaceable batteries
<b>VOLTAGE REGULATION</b>	
Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 75V to 147V
Overvoltage Correction	Input voltages between 128 and 147 are reduced by 12%
Undervoltage Correction	Input voltages between 93 and 107 are boosted by 14%
Severe Undervoltage Correction	Input voltages between 75 and 92 are boosted by 30%
<b>LEDS ALARMS &amp; SWITCHES</b>	
LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status
Audible Alarm	Audible alarm indicates power-failure and low-battery conditions
Alarm Cancel Operation	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation
<b>SURGE / NOISE SUPPRESSION</b>	
UPS AC Suppression Joule Rating	510
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
<b>PHYSICAL</b>	
Installation Form Factors Supported with Optional Accessories	Wallmount (UPSWM - tower mounting kit)
Primary Form Factor	Tower
UPS Power Module Dimensions (hwd, in.)	11.8 x 7.2 x 7.5
UPS Power Module Dimensions (hwd, cm)	29.8 x 18.4 x 19
UPS Power Module Weight (lbs.)	23
UPS Power Module Weight (kg)	10.4
UPS Shipping Dimensions (hwd / in.)	15.5 x 11 x 11.2
UPS Shipping Dimensions (hwd / cm)	39.4 x 27.9 x 28.6
Shipping Weight (lbs.)	25
Shipping Weight (kg)	11.4
UPS Housing Material	PVC
<b>ENVIRONMENTAL</b>	



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Operating Temperature Range	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature Range	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Relative Humidity	0 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	133
Battery Mode BTU / Hr. (Full Load)	565.9
AC Mode Efficiency Rating (100% Load)	92%
<b>COMMUNICATIONS</b>	
Communications Interface	USB
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions
PowerAlert Software	Included
Communications Cable	USB cable included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
<b>LINE / BATTERY TRANSFER</b>	
Transfer Time	2-4 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	75
High Voltage Transfer to Battery Power (Setpoint)	147
<b>SPECIAL FEATURES</b>	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Hot swappable batteries
<b>CERTIFICATIONS</b>	
UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Meets FCC Part 15 Category A (EMI)
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	2-year warranty, 3 year with registration. Note: <a href="#">Registration is required</a> for 3-year warranty.
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 <a href="#">Ultimate Lifetime Insurance</a>

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