

Tripp Lite
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# SmartPro 120V 750VA 450W Line Interactive UPS, 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. PowerAlert UPS monitoring and unattended shutdown is available via free download. 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. Networkgrade 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
- Intelligent battery management system extends battery life
- 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-

#### **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; Hotswappable batteries
- NEMA 5-15P input; 6 NEMA 5-15R outlets

### **Package Includes**

- SMART750 UPS System
- USB cable
- Instruction manual



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
- USB port enables data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from <a href="https://www.tripplite.com/poweralert"><u>www.tripplite.com/poweralert</u></a>
- 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
- 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**

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OVERVIEW		
UPC Code	037332139610	
UPS Type	Line-Interactive	
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	
ОИТРИТ		
Output Volt Amp Capacity (VA)	750	
Output Watt Capacity (Watts)	450	
Nominal Voltage Details	115v nominal output in battery mode	
Frequency Compatibility	60 Hz	
Output Voltage Regulation (Line Mode)	-18%, +8%	
Output Voltage Regulation (Battery Mode)	+/- 5%	
Output AC Waveform (AC Mode)	Sine wave	
Output AC Waveform (Battery Mode)	PWM sine wave	





Nominal Output Voltage(s) Supported	110V; 115V; 120V	
Output Receptacles	(6) 5-15R	
Individually Controllable Load Banks	No	
BATTERY		
Full Load Runtime (min.)	5.6 min. (450w)	
Half Load Runtime (min.)	16.2 min. (225w)	
Expandable Runtime	No	
DC System Voltage (VDC)	12	
Battery Recharge Rate (Included Batteries)	Less than 6 hours from 10% to 90% (typical, full load discharge)	
Battery Access	Battery access door	
Internal UPS Replacement Battery Cartridge	<a class="productLink" href="//www.tripplite.com/UPS-Replacement-Battery-Cartridge-select-Tripp-Lite-Best-Liebert-Minuteman-other-UPS~RBC52">RBC52</a> (quantity 2)	
Battery Replacement Description	Hot-swappable, user replaceable batteries	
VOLTAGE REGULATION		
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%	
USER INTERFACE, ALERTS & CONTROLS		
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation	
Alarm Cancel Operation	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status	
Audible Alarm	Audible alarm indicates power-failure and low-battery conditions	
LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status	
SURGE / NOISE SUPPRESSION		
UPS AC Suppression Joule Rating	510	
UPS AC Suppression Response Time	Instantaneous	
EMI / RFI AC Noise Suppression	Yes	
PHYSICAL		
Drimon, Form Foster		
Primary Form Factor	Tower	



Primary UPS Depth (mm)	191	
Primary UPS Height (mm)	300	
Primary UPS Width (mm)	183	
Shipping Dimensions (hwd / cm)	38.86 x 27.18 x 26.92	
Shipping Dimensions (hwd / in.)	15.30 x 10.70 x 10.60	
Shipping Weight (kg)	10.80	
Shipping Weight (lbs.)	23.80	
UPS Housing Material	PVC	
UPS Power Module Dimensions (hwd, cm)	29.97 x 18.29 x 19.05	
UPS Power Module Dimensions (hwd, in.)	11.8 x 7.2 x 7.5	
UPS Power Module Weight (kg)	10.43	
UPS Power Module Weight (lbs.)	23	
ENVIRONMENTAL		
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)	134	
Battery Mode BTU / Hr. (Full Load)	568	
AC Mode Efficiency Rating (100% Load)	92%	
COMMUNICATIONS		
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions	
PowerAlert Software	For local monitoring via the UPS's built-in USB port, download PowerAlert Local software at http://www.tripplite.com/poweralert	
Communications Cable	USB cable included	
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications	
Communications Interface	USB	
LINE / BATTERY TRANSFER		
Transfer Time	2-4 milliseconds	
Low Voltage Transfer to Battery Power (Setpoint)	75	
High Voltage Transfer to Battery Power (Setpoint)	147	
FEATURES & SPECIFICATIONS		



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Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported	
High Availability UPS Features	Hot swappable batteries	
STANDARDS & COMPLIANCE		
UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Meets FCC Part 15 Category A (EMI)	
WARRANTY		
Product Warranty Period (Worldwide)	2-year warranty, 3 year with registration. Note: <a class="insuranceLink" href="//www.tripplite.com/support/product-warranty-registration">Registration is required</a> for 3-year warranty.	
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 <a class="insuranceLink" href="//www.tripplite.com/support/insurance-policy">Ultimate Lifetime Insurance</a>	

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