



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

Model #: SMART750

SmartPro .75kVA Line Interactive UPS, Tower USB, 120V



Highlights

- 750VA line-interactive tower UPS
- Maintains 120V nominal output over an input range of 75 to 147V
- Network communications supported via USB 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 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 minutes half load runtime and 5.5 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. Two-year warranty with \$250,000 [connected equipment insurance](#).

Package Includes

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

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 minutes half load runtime and 5.5 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
- 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
- \$250,000 [Ultimate Lifetime Insurance](#)
- 2-year manufacturer product warranty

Specifications

| OUTPUT | |
|--|--|
| Output Volt Amp Capacity (VA) | 750 |
| Output Watt Capacity (watts) | 450 |
| Output 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%) |
| Built-in UPS output receptacles | 6 5-15R outlet(s) |
| Basic PDU options | PDU1215 (1U / 13 5-15R outlets); PDUNV (1U / 2 C19, 12 C13 outlets); PDU1415 (0U / 14 5-15R outlets); PDUV15 (0U / 12 5-15R outlets) |
| Metered PDU options | PDUMH15 (1U / 13 5-15R outlets); PDUMH15AT (1U / 8 5-15R outlets)*; PDUMV15 (0U / 16 5-15R outlets) |
| Switched PDU options | PDUMH15ATNET (1U / 8 5-15R outlets)*; PDUMV15NET (0U / 16 5-15R outlets) |
| External PDU redundancy options | *Auto Transfer Switch features utilizing the secondary PDU input cord are compatible with Smart Online UPS models only |
| Output AC waveform (AC mode) | Sine wave |
| Output AC waveform (battery mode) | PWM sine wave |
| INPUT | |
| Rated input current (at 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 |

| BATTERY | |
|--|---|
| Full load runtime (minutes) | 5.5 min. (450w) |
| Half load runtime (minutes) | 16 min. (225w) |
| DC system voltage (VDC) | 12 |
| Battery recharge rate (included batteries) | Less than 6 hours from 10% to 90% |
| Replacement battery cartridge (internal UPS battery replacement) | RBC52 (quantity 2) |
| Battery Access | Battery access door |
| 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% |
| LEDS ALARMS & SWITCHES | |
| LED Indicators | 5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status |
| Alarms | 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 |
| SURGE / NOISE SUPPRESSION | |
| UPS AC suppression joule rating | 510 |
| UPS AC suppression response time | Instantaneous |
| EMI / RFI AC noise suppression | Yes |
| PHYSICAL | |
| Installation form factors supported with included accessories | Tower |
| Installation form factors supported with optional accessories | Wallmount (UPSWM - tower mounting kit) |
| Primary form factor | Tower |
| UPS / Power Module dimensions in primary form factor (height x width x depth / inches) | 11.8 x 7.2 x 7.5 |

| | |
|--|---|
| UPS / Power Module dimensions in primary form factor (height x width x depth / cm) | 29.8 x 18.4 x 19 |
| UPS / Power Module weight (lbs) | 23 |
| UPS / Power Module weight (kg) | 10.4 |
| UPS Shipping dimensions (height x width x depth / inches) | 15.5 x 11 x 11.2 |
| UPS Shipping dimensions (height x width x depth / cm) | 39.4 x 27.9 x 28.6 |
| Shipping weight (lbs) | 25 |
| Shipping weight (kg) | 11.4 |
| UPS housing material | PVC |
| 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) | 133 |
| Battery mode BTU / hr. (full load) | 565.9 |
| COMMUNICATIONS | |
| 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 |
| LINE / BATTERY TRANSFER | |
| Transfer time | 2-4 milliseconds |
| Low voltage transfer to battery power (setpoint) | 75 |
| High voltage transfer to battery power (setpoint) | 147 |
| SPECIAL FEATURES | |
| Cold Start (startup in battery mode during a power failure) | Cold-start operation supported |
| High availability UPS features | Hot swappable batteries |

| CERTIFICATIONS | |
|--|--|
| UPS Certifications | Tested to UL1778 (USA); Tested to CSA (Canada); Meets FCC Part 15 Category A (EMI) |
| WARRANTY | |
| Product Warranty Period (U.S., Canada & Puerto Rico) | 2-year limited warranty |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$250,000 Ultimate Lifetime Insurance |

Related Items

Optional Products

| Product Type | Related Model | Description | Qty. |
|---------------------|--------------------------------|---|------|
| Surge Protectors | DTEL2 | Network Surge Suppressor - Essential protection for data and communication lines | - |
| Power Distribution | PDU1215 | Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment | - |
| Extended Warranties | WEXT3-500-1500 | 3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less | - |
| Extended Warranties | WEXT5-500-1500 | 5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less | - |
| Surge Protectors | DNET1 | Network Surge Suppressor - Essential protection for data and communication lines | - |
| Wallmount Bracket | UPSWM | Wallmount Bracket and installation accessories (4 washers, 4 screws, 1 Velcro safety strap) | - |

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=3780.

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