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Smart Pro Line Interactive Tower UPS System - NAFTA assembled version of the SMART1500

MODEL NUMBER: SM1500NAFTA



Description

Tripp Lite's SM1500NAFTA intelligent, line interactive UPS system protects servers, networking accessories and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Large internal batteries offer 20 minutes half load runtime and 7 minutes at full load during power failures. 1500VA/980 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 outlets, 1 of which can be individually powered on and off via software interface to selectively reboot remote equipment or to automatically shed less significant loads to extend battery runtime for more critical equipment. Supports remote monitoring of UPS and site power conditions via built-in USB and DB9 monitoring ports. 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 optional 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 less than 66 square inches of floor or desktop space. \$250,000 connected equipment insurance (USA and Canada Only).

Features

- 1500VA/980 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 suppression prevents equipment damage, data loss and downtime
- Large internal batteries offer 20 minutes half load runtime and 7 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

Highlights

- 1500VA / 1.5kVA line interactive tower UPS
- Maintains 120V nominal output over an input range of 75 to 147V
- Network communications supported via USB port, serial port
- Input: NEMA 5-15P (120V 15A) / Output: 6 NEMA 5-15R (120V)
- \$250,000 Ultimate Lifetime Insurance (USA, Puerto Rico and Canada only)

Package Includes

- SM1500NAFTA UPS System
- USB and DB9 monitoring cables
- PowerAlert unattended shutdown and UPS/Power monitoring software
- Instruction manual with warranty information



- Includes a total of 6 NEMA5-15R outlets, 1 of which can be individually powered on and off via software interface to selectively reboot remote equipment or shed less significant loads to extend battery runtime for more critical equipment
- Includes 1 USB and 1 DB9 monitoring port for remote monitoring of UPS status and site power conditions
- Communications ports enable safe unattended shutdown without data loss during extended power failures
- Communications ports support messaging of UPS and line power status, including 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
- 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
- Attractive small footprint beige tower housing uses less than 66 square inches
- Hot-swappable/user replaceable batteries allow on-site battery replacement
- Cold start capability enables UPS turn-on in battery mode during blackout conditions
- UL (USA), cUL (Canada), NOM (Mexico), Class A (Emissions)
- \$250,000 Ultimate Lifetime Insurance (USA and Canada only)
- \$250,000 connected equipment insurance (USA and Canada Only)

Specifications

| OVERVIEW | |
|-------------------------------------|--------------|
| UPC Code | 037332137678 |
| OUTPUT | |
| Output Volt Amp Capacity (VA) | 1500 |
| Output kVA Capacity (kVA) | 1.5 |
| Output Watt Capacity (Watts) | 980 |
| Power Factor | 0.7 |
| Nominal Output Voltage(s) Supported | 120V |
| Frequency Compatibility | 60 Hz |



| | |
|--|--|
| Output Voltage Regulation (Line Mode) | -18%, +8% |
| Output Voltage Regulation (Battery Mode) | +/- 5% |
| Output Receptacles | (6) 5-15R |
| Load Management Receptacles | One switchable single-outlet 5-15R load bank |
| Output AC Waveform (AC Mode) | Sine wave |
| Output AC Waveform (Battery Mode) | PWM sine wave |
| INPUT | |
| Rated input current (Maximum Load) | 12A |
| Nominal Input Voltage(s) Supported | 120V AC |
| UPS Input Connection Type | 5-15P |
| Input Circuit Breakers | 15A |
| UPS Input Cord Length (ft.) | 6 |
| UPS Input Cord Length (m) | 1.8 |
| Recommended Electrical Service | 15A 120V |
| BATTERY | |
| Full Load Runtime (min.) | 7 min. (980w) |
| Half Load Runtime (min.) | 20 min. (490w) |
| DC System Voltage (VDC) | 36 |
| Battery Recharge Rate (Included Batteries) | Less than 4 hours from 10% to 90% |
| Internal UPS Replacement Battery Cartridge | RBC53 |
| 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 75 to 147 |
| 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, overload 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 | 480 |
| 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 (hwd, in.) | 12.8 x 7.5 x 9 |
| UPS Power Module Dimensions (hwd, cm) | 32.51 x 19.05 x 22.86 |
| UPS Power Module Weight (lbs.) | 38.4 |
| UPS Power Module Weight (kg) | 17.42 |
| Shipping Dimensions (hwd / in.) | 18.250 x 12.000 x 13.750 |
| Shipping Dimensions (hwd / cm) | 46.36 x 30.48 x 34.92 |
| Shipping Weight (lbs.) | 42.6000 |
| Shipping Weight (kg) | 19.32 |
| Cooling Method | Fan |
| UPS Housing Material | PVC |
| Primary UPS Height (mm) | 325 |
| Primary UPS Width (mm) | 191 |
| Primary UPS Depth (mm) | 229 |
| 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) | 138.8 |
| Battery Mode BTU / Hr. (Full Load) | 454.4 |
| AC Mode Efficiency Rating (100% Load) | 96% |



| COMMUNICATIONS | |
|---|--|
| Communications Interface | USB; DB9 Serial |
| Network Monitoring Port Description | Supports detailed monitoring of UPS and site power conditions |
| PowerAlert Software | Included |
| Communications Cable | USB and DB9 cabling 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 |
| Green Energy-Saving Features | Greater than 95% efficiency - GREEN UPS; Individually controllable load banks |
| CERTIFICATIONS | |
| UPS Certifications | Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category A (EMI); ROHS (Restriction of Hazardous Substances) |
| WARRANTY | |
| Product Warranty Period (Worldwide) | 2-year limited warranty |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$250,000 Ultimate Lifetime Insurance |

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<https://www.tripplite.com/products/product-certification-agencies>