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[Tripp Lite](#)  
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**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
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www.tripplite.com

## SmartPro® 120V 1.5kVA 980W Line-Interactive UPS, Tower, USB, DB9, 6 Outlets

MODEL NUMBER: **SMART1500**



### Highlights

- Corrects under- and overvoltages from 75V to 147V
- 6 NEMA 5-15R outlets—1 switchable via network interface
- Front-panel LEDs indicate load, power and battery statuses
- Monitoring of power conditions via PowerAlert®
- 20 min. runtime at half load; 7 min. at full load

### Package Includes

- SMART1500 SmartPro 120V 1.5kVA 980W Line-Interactive UPS
- USB cable
- DB9 cable
- PowerAlert software
- Owner's manual

### Description

The SMART1500 SmartPro 120V 1.5kVA 980W Line-Interactive UPS provides battery backup and AC power protection against blackouts, brownouts, power surges and line noise that can damage electronics or destroy data. Ideal for backing up point-of-sale applications, VoIP systems and small business networks, the SMART1500 switches to battery mode in milliseconds to keep your connected equipment running long enough to save files and shut down safely with no data loss.

Featuring six NEMA 5-15R outlets (one switchable) and a six-foot power cord with 120V NEMA 5-15P input, the SMART1500 has an internal battery that provides 20 minutes of support at half load and seven minutes at full load. Front-panel LEDs indicate line power, battery power, overload, voltage regulation and battery status. An alarm sounds to indicate power failure, overload or a low battery.

Automatic voltage regulation (AVR) maintains 120V nominal output over an input range of 75V to 147V without using battery power. EMI/RFI noise filtering improves your equipment's performance and prevents damage. A 480-joule surge suppression rating protects your equipment from harmful power surges. With Tripp Lite's included PowerAlert software, the SMART1500 enables safe unattended system shutdown and file saves in case of a prolonged power failure.

### Features

#### Protects Mission-Critical Equipment

- Provides fully regulated AC output for point-of-sale applications, VoIP systems and small business networks
- Audible alarm signals loss of utility power, overload or low battery
- 6 NEMA 5-15R outlets
- 6 ft. power cord with 120V NEMA 5-15P input
- 480-joule surge suppression rating

#### Reliable Battery Backup

- Supports half load up to 20 min. and full load up to 7 min.
- Internal batteries designed for hot-swap field replacement



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- 96% line-power efficiency rating saves money in energy costs
- Cold-start capability enables turn-on in battery mode during blackouts

#### Load Bank with Switchable Outlet

- Can control one outlet remotely to reboot equipment or shed nonessential loads

#### Automatic Voltage Regulation(AVR)

- Maintains 120V nominal output over input range of 75V–147V without using battery power

#### EMI/RFI Line Noise Filtering

- Removes electromagnetic and radio frequency interference that can disrupt or damage equipment's performance

#### LED Indicators

- Front-panel LEDs indicate line power, battery power, overload, voltage regulation and battery status

#### Communications Ports

- USB and DB9 ports combine with included PowerAlert software to monitor operating conditions, monitor AC power, and enable safe unattended system shutdown and file saves in case of a prolonged power failure

#### Small-Footprint Tower Housing

- Mounts on wall with optional [UPSWM](#) accessory

## Specifications

| OUTPUT                                   |  |
|--|--|
| Output Volt Amp Capacity (VA)            | 1500   |
| Output kVA Capacity (kVA)                | 1.5  |
| Output Watt Capacity (Watts)             | 980  |
| Nominal Output Voltage(s) Supported      | 110V; 115V; 120V                             |
| Nominal Voltage Details                  | 120v nominal output in battery mode          |
| 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                                |



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| 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  |
| Input Phase                                | Single-Phase  |
| 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% (typical, full load discharge)  |
| Internal UPS Replacement Battery Cartridge | RBC36-SLT   |
| Battery Access                             | Battery access door   |
| Battery Replacement Description            | Hot-swappable, user replaceable batteries   |
| Expandable Runtime                         | No  |
| 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   |



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|   |   |
|---|---|
| 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.)                        | 12.8 x 7.5 x 9  |
| UPS Power Module Dimensions (hwd, cm)                         | 32.4 x 19 x 22.9  |
| UPS Power Module Weight (lbs.)                                | 38.4  |
| UPS Power Module Weight (kg)                                  | 17.4  |
| UPS Shipping Dimensions (hwd / in.)                           | 18.2 x 12 x 13.8  |
| UPS Shipping Dimensions (hwd / cm)                            | 46.4 x 30.5 x 34.9  |
| Shipping Weight (lbs.)  | 42.6  |
| Shipping Weight (kg)  | 19.3  |
| Cooling Method  | Fan   |
| UPS Housing Material  | PVC   |
| <b>ENVIRONMENTAL</b>  |   |
| 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%   |
| <b>COMMUNICATIONS</b>   |   |
| 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 |
| <b>LINE / BATTERY TRANSFER</b>                                |   |



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|   |  |
|---|--|
| 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  |
| Green Energy-Saving Features                                | Greater than 95% efficiency - GREEN UPS; Individually controllable load banks                                  |
| <b>CERTIFICATIONS</b>                                       |  |
| UPS Certifications  | Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); 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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