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Tripp Lite
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SmartPro® 120V 1.05kVA 705W Line-Interactive UPS, Tower, USB, 6 Outlets

MODEL NUMBER: **SMART1050**



Highlights

- Corrects under- and overvoltages from 75V to 147V
- 6 NEMA 5-15R outlets
- Front-panel LEDs indicate load, power and battery statuses
- Monitoring of power conditions via PowerAlert®
- 23 min. runtime at half load; 8 min. at full load

Package Includes

- SMART1050 SmartPro 120V 1.05kVA 705W Line-Interactive UPS
- USB cable
- PowerAlert software
- Owner's manual

Description

The SMART1050 SmartPro 120V 1.05kVA 705W 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 data centers, VoIP systems, points of sale and network closets, the SMART1050 switches to 1.05kVA/705W 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 and a six-foot power cord with 120V NEMA 5-15P input, the SMART1050 has an internal battery that provides 23 minutes of support at half load and eight 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 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 SMART1050 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 servers, network storage devices and telecom hardware
- Audible alarm signals loss of utility power 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 23 min. and full load up to 8 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

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 signal indicate line power, battery power, overload, voltage regulation and battery status

USB Communication Port

- USB port combines with included PowerAlert software to enable safe unattended system shutdown and file saves in case of a prolonged power failure
- Supports messaging of UPS and line power status, including voltage and battery capacity

Small-Footprint Tower Housing

- Uses less than 53 sq. in. of floor or desktop space
- Mounts on wall with optional [UPSWM](#) accessory

Specifications

| OUTPUT | |
|--|-------------------------------------|
| Output Volt Amp Capacity (VA) | 1050 |
| Output kVA Capacity (kVA) | 1.05 |
| Output Watt Capacity (Watts) | 705 |
| 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 |
| Output AC Waveform (AC Mode) | Sine wave |
| Output AC Waveform (Battery Mode) | PWM sine wave |
| INPUT | |
| Rated input current (Maximum Load) | 6.7A |
| Nominal Input Voltage(s) Supported | 120V AC |



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|--|---|
| UPS Input Connection Type | 5-15P; Right-Angled |
| Input Circuit Breakers | 12A |
| UPS Input Cord Length (ft.) | 6 |
| UPS Input Cord Length (m) | 1.8 |
| Recommended Electrical Service | 15A 120V |
| Input Cord Length (ft.) | 6 |
| Input Cord Length (m) | 1.8 |
| Input Phase | Single-Phase |
| BATTERY | |
| Full Load Runtime (min.) | 8 min. (705w) |
| Half Load Runtime (min.) | 23 min. (355w) |
| DC System Voltage (VDC) | 18 |
| Battery Recharge Rate (Included Batteries) | Less than 4 hours from 10% to 90% (typical, full load discharge) |
| Internal UPS Replacement Battery Cartridge | RBC52(quantity 3) |
| 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 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 |



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|---|---|
| EMI / RFI AC Noise Suppression | Yes |
| AC Suppression Joule Rating | 480 |
| AC Suppression Response Time | Instantaneous |
| PHYSICAL | |
| 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 7.2 |
| UPS Power Module Dimensions (hwd, cm) | 29.8 x 18.4 x 18.4 |
| UPS Power Module Weight (lbs.) | 29 |
| UPS Power Module Weight (kg) | 13.2 |
| UPS Shipping Dimensions (hwd / in.) | 15 x 10.8 x 11.2 |
| UPS Shipping Dimensions (hwd / cm) | 38.1 x 27.3 x 28.6 |
| Shipping Weight (lbs.) | 31 |
| Shipping Weight (kg) | 14.1 |
| UPS Housing Material | Polycarbonate |
| 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) | 99.9 |
| Battery Mode BTU / Hr. (Full Load) | 326.9 |
| AC Mode Efficiency Rating (100% Load) | 96% |
| 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 |



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|---|--|
| 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 |
| CERTIFICATIONS | |
| UPS Certifications | Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category B (EMI) |
| WARRANTY | |
| Product Warranty Period (Worldwide) | 2-year warranty, 3 year with registration. Note: Registration is required for 3-year warranty. |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$250,000 Ultimate Lifetime Insurance |

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