Tripp Lite
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# SmartPro 100/110/120V 1.05kVA 650W Line-Interactive Sine Wave UPS, SNMP, Webcard, Tower, USB, DB9 Serial

MODEL NUMBER: **SMART1050SLT**





### Highlights

- 1.05kVA / 1050VA line interactive tower UPS, Sine wave output
- 100/110/120V nominal output during brownouts and overvoltages
- USB, RS232 and slot for optional SNMP/Web card
- Detailed status LEDs, Single line TEL / DSL surge suppression
- NEMA 5-15P input, 8 NEMA 5-15R outlets

### Package Includes

- SMART1050SLT UPS System
- PowerAlert Software CD
- USB and serial cabling

### Description

1050VA line-interactive tower UPS system for server, networking and telecommunications equipment. Upright tower form factor. Offers sine wave 100V, 110V or 120V nominal output in both AC and battery modes. Switches to battery-derived AC output during power failures and extreme voltage variations. Line-interactive automatic voltage regulation (AVR) provides voltage boost during brownouts and voltage cut during overvoltages to maintain regulated 100V, 110V or 120V nominal output over an input voltage range of 95-145V. Features NEMA 5-15P input plug and 8 NEMA 5-15R output receptacles. Network-grade AC surge and noise suppression. Network management interfaces support simultaneous communications via USB port, DB9 serial port and SNMPWEBCARD slot. HID-compliant USB port enables full integration with built-in power management and auto shutdown features of Windows and Mac OS X. Supports simultaneous detailed monitoring of equipment load levels, self-test data and utility power conditions via all 3 network interfaces. Includes PowerAlert monitoring software and complete cabling. Features 3-stage metered current monitoring and battery charge status LEDs. Dataline surge suppression for dialup, DSL or network Ethernet connection. Utility power and voltage regulation LEDs. Audible alarm. Self-test. Field replaceable, hot-swappable internal batteries.

### Features

- SmartPro line-interactive UPS system is ideal for voice, data, medical and industrial networking applications
- Line-interactive automatic voltage regulation (AVR) maintains selectable 100V, 110V or 120V nominal output during brownouts as low as 83V and overvoltages to 145V
- Enables continuous operation through blackouts, voltage fluctuations and surges
- Line-interactive AVR provides a 14% boost during brownouts and a 12% voltage cut during overvoltages
- Standard internal battery set offers 19 min. runtime at half load (325W) and 7 min. at full load (650W)
- Space-saving upright tower format
- Network interfaces support simultaneous communications via built-in USB port, DB9 serial port and SNMPWEBCARD slot
- HID-compliant USB port enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- Included PowerAlert UPS monitoring software supports safe unattended shutdown, monitoring and control via local connected servers, plus any number of additional servers over IP
- UPS interface supports on-battery, low-battery, power-restored, AC-voltage, DC-voltage, output current monitoring, battery charge current, battery

capacity, timed inverter shutoff, activate self-test and output power control

- NEMA 5-15P input plug; 8 x battery-supported NEMA 5-15R output receptacles
- Front panel LEDs offer current monitoring, voltage regulation and battery charge level information
- UPS ships fully assembled in full compliance with DOT regulations; no time-consuming connection of internal batteries by user required
- Single-line tel/DSL or network Ethernet line surge suppression

## Specifications

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|---|---|
| **OUTPUT** | |
| Output Volt Amp Capacity (VA) | 1050 |
| Output kVA Capacity (kVA) | 1 |
| Output Watt Capacity (Watts) | 650 |
| Power Factor | 0.6 |
| Nominal Output Voltage(s) Supported | 100V; 110V; 120V |
| Nominal Voltage Details | 120V default (voltage selection via back panel switches) |
| Frequency Compatibility | 50 / 60 Hz |
| Output Voltage Regulation (Line Mode) | -13%, + 15% |
| Output Voltage Regulation (Battery Mode) | +/- 5% |
| Output Receptacles | (8) 5-15R |
| Output AC Waveform (AC Mode) | Sine wave |
| Output AC Waveform (Battery Mode) | Pure Sine wave |
| **INPUT** | |
| Rated input current (Maximum Load) | 6.1A (120V), 6.6A (110V), 7.2A (100V) |
| Nominal Input Voltage(s) Supported | 100V AC; 110V AC; 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 |
| **BATTERY** | |
| Full Load Runtime (min.) | 7 min. (650w) |
| Half Load Runtime (min.) | 19 min. (325w) |
| DC System Voltage (VDC) | 24 |

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|---|---|
| Battery Recharge Rate (Included Batteries) | Less than 6 hours from 10% to 90% (typical, full load discharge) |
| Internal UPS Replacement Battery Cartridge | RBC24-SLT |
| 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 95 to 145 (120v), 87 to 133 (110v), 83 to 121 (100v) |
| Overvoltage Correction | Voltage reduction of 12% applies when input is 127 to 145 (120v), 116 to 133 (110v), 111 to 121 (100v) |
| Undervoltage Correction | Voltage boost of 14% applies when input is 95 to 108 (120v), 87 to 99 (110v), 83 to 90 (100v) |
| **USER INTERFACE, ALERTS & CONTROLS** | |
| Switches | 2 Switches control off/on power status and alarm-cancel/self-test operation; rear panel protected switches support nominal voltage selection |
| Alarm Cancel Operation | Power-fail alarm can be silenced using alarm-cancel switch |
| Audible Alarm | Audible alarm indicates power failure and overload conditions |
| LED Indicators | Status LEDs indicate line power, battery power, AVR, overload and replace battery status - with a 3-LED level meter for load and battery charge level |
| Site Wiring Fault Indication | Rear panel site wiring fault LED |
| **SURGE / NOISE SUPPRESSION** | |
| UPS AC Suppression Joule Rating | 690 |
| UPS AC Suppression Response Time | Instantaneous |
| UPS Dataline Suppression | 1 line TEL/DSL (1 in / 1 out); 10/100Base T Ethernet |
| EMI / RFI AC Noise Suppression | Yes |
| **PHYSICAL** | |
| Primary Form Factor | Tower |
| UPS Power Module Dimensions (hwd, in.) | 10.2 x 6.8 x 13.2 |
| UPS Power Module Dimensions (hwd, cm) | 26 x 17.1 x 33.7 |
| UPS Power Module Weight (lbs.) | 36 |
| UPS Power Module Weight (kg) | 16.3 |
| UPS Shipping Dimensions (hwd / in.) | 14 x 9.8 x 18.5 |
| UPS Shipping Dimensions (hwd / cm) | 35.6 x 24.8 x 47 |
| Shipping Weight (lbs.) | 39.6 |

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|---|---|
| Shipping Weight (kg) | 18 |
| Cooling Method | Fan |
| UPS Housing Material | Steel |
| **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) | 141.1 |
| Battery Mode BTU / Hr. (Full Load) | 452.7 |
| AC Mode Efficiency Rating (100% Load) | 94% |
| Audible Noise | Audible Noise < 50 dBA at Front Side 1 Meter |
| **COMMUNICATIONS** | |
| Communications Interface | USB (HID enabled); DB9 Serial; Slot for SNMP/Web interface |
| 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. |
| Network UPS Tools Compatibility | NUT compatible. See the full list of Tripp Lite NUT compatible UPS systems at http://www.networkupstools.org/stable-hcl.html?manufacturer=Tripp Lite |
| **LINE / BATTERY TRANSFER** | |
| Transfer Time | 4-6 milliseconds |
| Low Voltage Transfer to Battery Power (Setpoint) | 95V (120V), 87V (110V), 83V (100V) |
| High Voltage Transfer to Battery Power (Setpoint) | 145V (120V), 133V (110V), 121V (100V) |
| **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); Tested to NOM (Mexico); Meets FCC Part 15 Category B (EMI) |
| **WARRANTY** | |

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|---|---|
| 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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