

## SmartPro 120V 1.05kVA 650W Line-Interactive Sine Wave UPS, Tower, Network Card Options, USB, DB9, 8 Outlets

MODEL NUMBER: **SMART1050SLT**



Protects connected mission-critical equipment against damage, downtime and data loss due to blackouts, brownouts, power surges and line noise. Ideal solution for point-of-sale applications, VoIP systems and small business networks.

### Description

The SMART1050SLT SmartPro 120V 1.05kVA 650W Line-Interactive Sine Wave 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 SMART1050SLT 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 eight NEMA 5-15R outlets and a six-foot power cord with 120V NEMA 5-15P input, the SMART1050SLT has an internal battery that provides 19 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, low battery or overload. Automatic voltage regulation (AVR) maintains selectable 100V, 110V or 120V nominal output over an input range of 83V to 145V without using battery power. EMI/RFI noise filtering improves your equipment's performance and prevents damage. A 690-joule surge suppression rating protects your equipment from harmful power surges. With Tripp Lite's PowerAlert software (available via free download), the SMART1050SLT enables safe unattended system shutdown and file saves in case of a prolonged power failure.

### Features

#### Protects Mission-Critical Equipment

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

#### Reliable Battery Backup

- Supports half load up to 19 min. and full load up to 7 min.

### Highlights

- Corrects under- and overvoltages from 83V to 145V
- 8 NEMA 5-15R outlets
- Front-panel LEDs indicate load, power, voltage and battery statuses
- Network power management and control capability
- 19 min. runtime at half load; 7 min. at full load

### Package Includes

- SMART1050SLT SmartPro 120V 1.05kVA 650W Line-Interactive Sine Wave UPS
- USB cable
- DB9 cable
- Owner's manual



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- Internal batteries designed for hot-swap field replacement
- 95% 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 selectable 100V, 110V or 120V nominal output over input range of 83V–145V 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

#### **Network Management Cards**

- Compatible with Tripp Lite UPS management card options WEBCARDLX, SNMPWEBCARD and RELAYIOCARD

#### **Communication Ports**

- USB & Serial ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from [www.tripplite.com/poweralert](http://www.tripplite.com/poweralert)

#### **Telephone/Network Jacks**

- Protect against power surges over telephone/DSL or network Ethernet lines

## Specifications

OVERVIEW	
UPC Code	037332119902
Total Harmonic Distortion	0.03
UPS Type	Line-Interactive
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



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OUTPUT	
Output Volt Amp Capacity (VA)	1050
Output Capacity (kVA)	1.05
Output Watt Capacity (Watts)	650
Output Capacity Details	5.4A @ 120V (default), 5.9A @ 110V, 6.5A @ 100V. 125% @ 10 minutes 110% +/- 10% @ 5 seconds
Power Factor	0.62
Nominal Voltage Details	120V sinusoidal in line mode and 120V sinusoidal in battery mode
Frequency Compatibility	50 / 60 Hz
Frequency Compatibility Details	Automatic frequency selection. Output is regulated to +/-0.05Hz when input frequency exceeds +/-5Hz of nominal.
Output Voltage Regulation (Line Mode)	-13%, + 15%
Output Voltage Regulation (Battery Mode)	+/- 5%
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	100V; 110V; 120V
Output Receptacles	(8) 5-15R
Individually Controllable Load Banks	No
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Full Load Runtime (min.)	7 min. (650w)
Half Load Runtime (min.)	19 min. (325w)
Expandable Runtime	No
DC System Voltage (VDC)	24
Battery Recharge Rate (Included Batteries)	Less than 6 hours from 10% to 90% (typical, full load discharge)
Battery Access	Battery access door
Internal UPS Replacement Battery Cartridge	&nbsp;<a class="productLink" href="//www.tripplite.com/UPS-Replacement-24VDC-Battery-Cartridge-for-select-Tripp-Lite-SLT-UPS~RBC24-SLT">RBC24-SLT</a>&nbsp;
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); All voltage setpoints ±5% tolerance



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Undervoltage Correction	Voltage boost of 14% applies when input is 95 to 108 (120v), 87 to 99 (110v), 83 to 90 (100v); All voltage setpoints $\pm 5\%$ tolerance
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
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
<b>SURGE / NOISE SUPPRESSION</b>	
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
<b>PHYSICAL</b>	
Primary Form Factor	Tower
Cooling Method	Fan
Installation Form Factors Supported with Included Accessories	Tower
Primary UPS Depth (mm)	335
Primary UPS Height (mm)	259
Primary UPS Width (mm)	173
Shipping Dimensions (hwd / cm)	33.78 x 45.47 x 23.62
Shipping Dimensions (hwd / in.)	13.30 x 17.90 x 9.30
Shipping Weight (kg)	17.42
Shipping Weight (lbs.)	38.40
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	25.91 x 17.27 x 33.53
UPS Power Module Dimensions (hwd, in.)	10.2 x 6.8 x 13.2
UPS Power Module Weight (kg)	16.33
UPS Power Module Weight (lbs.)	36
<b>ENVIRONMENTAL</b>	



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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)	107
Battery Mode BTU / Hr. (Full Load)	455
AC Mode Efficiency Rating (100% Load)	95%
Operating Elevation (ft.)	6561 ft. (2000 m) above sea level
Audible Noise	Audible Noise < 50 dBA at Front Side 1 Meter
<b>COMMUNICATIONS</b>	
Network Management Cards	SNMPWEBCARD; <a href="http://www.tripplite.com/Web-Management-Accessory-Card~WEBCARDLX">WEBCARDLX</a> ; <a href="http://www.tripplite.com/Programmable-Relay-I-O-Card~RELAYIOCARD">RELAYIOCARD</a>
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions
PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at <a href="https://www.tripplite.com/poweralert">https://www.tripplite.com/poweralert</a>
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 <a href="https://www.networkupstools.org/stable-hcl.html?manufacturer=Tripp+Lite">https://www.networkupstools.org/stable-hcl.html?manufacturer=Tripp Lite</a>
Network Management Card Description	Network management card optional
Communications Interface	DB9 Serial; Slot for SNMP/Web interface; USB (HID enabled)
<b>LINE / BATTERY TRANSFER</b>	
Transfer Time	4-6 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	95V (120V), 87V (110V), 83V (100V); All voltage setpoints $\pm 5\%$ tolerance
High Voltage Transfer to Battery Power (Setpoint)	145V (120V), 133V (110V), 121V (100V); All voltage setpoints $\pm 5\%$ tolerance
<b>FEATURES &amp; SPECIFICATIONS</b>	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Auto Probe Monitoring (requires WEBCARDLX); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Sine wave output; Surge/noise protection
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS
<b>STANDARDS &amp; COMPLIANCE</b>	
Product Certifications	CSA (Canada); NOM (Mexico); UL 1778
Product Compliance	RoHS; FCC Part 15 Class B (USA)



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WARRANTY	
Product Warranty Period (Worldwide)	2-year warranty, 3 year with registration. Note:&nbsp;<a class="insuranceLink" href="//www.tripplite.com/support/product-warranty-registration">Registration is required</a>&nbsp;for 3-year warranty.
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000&nbsp;<a class="insuranceLink" href="//www.tripplite.com/support/insurance-policy">Ultimate Lifetime Insurance</a>&nbsp;

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