Tripp Lite
1111 W. 35th Street
Chicago, IL 60609 USA
Telephone: 773.869.1234
www.tripplite.com

1050VA 900W Line-Interactive UPS - 8 NEMA 5-15R Outlets, AVR, 120V, 50/60 Hz, USB, RS-232, LCD, Tower

MODEL NUMBER: **SMART1050TSU**









Desktop UPS offers complete power protection for small network applications, including wiring closets, security systems and digital signage.

Features

1050VA/900W/120V Battery Backup for PC Networks, Security Systems or Digital Signage
The SmartPro® line-interactive SMART1050TSU UPS system with AVR protection provides reliable battery backup and AC power protection against blackouts, brownouts, overvoltages, surges and line noise that can damage valuable electronics or destroy data. The eight-outlet 120V battery backup is ideal protection for small networks, wiring closets, security systems, high-end PC gaming, digital signage equipment and other professional applications, including retail, casino and hotel/motel management.

Allows Time to Back Up Critical Files During a Blackout
Backup support allows you to work through short power failures and gives you enough time to safely save files and shut down your system in case of a prolonged blackout. Backup time varies according to load, but the line-interactive UPS system should keep an energy-efficient desktop computer with small LCD monitor powered as long as 74 minutes. During normal operation, incoming utility power keeps the replaceable internal battery fully charged, so backup power will always be available.

8 NEMA 5-15R Outlets Protect Your Connected Components
Six 5-15R outlets provide battery backup, surge protection and voltage regulation for your computer, monitor and other crucial components. The other two 5-15R outlets provide surge suppression only for printers, speakers and other desktop equipment regarded as non-essential during a blackout.

Automatic Voltage Regulation (AVR) Corrects Low- and High-Voltage Conditions
AVR protects your equipment from incremental hardware damage, data loss and performance problems caused by brownouts and overvoltages. The SMART1050TSU can correct brownouts as low as 89V and overvoltages as high as 145V back to nominal 120V power continuously, all while keeping the battery fully charged and ready to take over in case of power failure.

Combats Line Noise That Can Harm Equipment
EMI (electromagnetic interference) and RFI (radio frequency interference) are common causes of performance problems and can lead to incremental hardware damage, data corruption and audio/video transmission problems. The SMART1050TSU filters out this disruptive line noise on the AC line, so that it won't affect your equipment.

Highlights

- Protects equipment against blackouts, brownouts, overvoltages, surges and line noise
- Keeps AC power running during blackouts to allow time for file saves and safe shutdown
- Maintains continuous 120V nominal output during brownouts and overvoltages
- Home-friendly alarm remains silent in backup mode, sounding only when imperative
- High >95% efficiency with low BTU ratings saves electricity and lowers your energy costs

Applications

- Protect your PC and other sensitive electronics against power surges, line noise, brownouts, overvoltages and blackouts
- Operate essential equipment during short-term power outages using battery backup power
- Shut down desktop PCs and other equipment without data loss during long-term power outages
- Connect high-end security systems, casino gaming machines or digital signage in a small network

Package Includes

- SMART1050TSU 1050VA 900W 120V Line-Interactive UPS with

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Designed for High Efficiency to Help You Save Money and Protect the Environment
A >95% efficiency rating reduces BTU emissions, energy consumption and, ultimately, your energy costs.

Home-Friendly Silent Alarm and LCD Touchscreen Keep You Informed 24/7
The UPS remains silent in both line and battery backup modes. The alarm sounds only to report low battery, battery replace, overload and fault condition. The LCD touchscreen offers five screens of UPS and site power information when the UPS is operating in either on-line or battery power mode. It displays vital voltage, load and battery data, as well as critical fault status.

Advanced Communications Ports Allow for Automatic Saves and Shutdowns
RS-232 and HID-compliant USB ports connect to a computer running Tripp Lite's free downloadable PowerAlert® software to enable safe unattended file saves and system shutdown in case of a prolonged power failure. Cables are included.

Compact Housing Compatible with Easy Desktop Installation
The space-saving ABS tower fits on a desktop, shelf or any other flat surface convenient to your workstation or home theater. The five-foot power cord with NEMA 5-15P plug connects to any compatible AC outlet. A built-in fan regulates the internal temperature to help prevent overheating.

8 Outlets

- USB cable
- DB9 cable
- Owner's manual

Specifications

OVERVIEW	
UPC Code	037332221575
UPS Type	Line-Interactive
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.)	5
UPS Input Cord Length (m)	1.5
Recommended Electrical Service	15A 120V
Input Phase	Single-Phase
OUTPUT	
Output Volt Amp Capacity (VA)	1050
Output kVA Capacity (kVA)	1.05
Output Watt Capacity (Watts)	900
Power Factor	0.86
Nominal Voltage Details	120v nominal output in battery mode
Frequency Compatibility	50 / 60 Hz

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Output Voltage Regulation (Line Mode)	120V (+6%/-12%)
Output Voltage Regulation (Battery Mode)	120V (±10%)
UPS Output Receptacles (Surge Suppression Only)	6 UPS outlets, 2 surge-only outlets
Hot-Swap PDU options	PDUB15 (2U / 8 5-15R outlets)
Output AC Waveform (AC Mode)	Pure sine wave
Output AC Waveform (Battery Mode)	PWM sine wave
Nominal Output Voltage(s) Supported	110V; 115V; 120V
Output Receptacles	(8) 5-15R
Individually Controllable Load Banks	No
BATTERY	
Full Load Runtime (min.)	3 min. (900w)
Half Load Runtime (min.)	8.5 min. (450w)
DC System Voltage (VDC)	12
Battery Recharge Rate (Included Batteries)	8 hours (10% to 90%)
Battery Access	Battery access door
Battery Replacement Description	Replaceable internal batteries (see manual)
Expandable Runtime	No
VOLTAGE REGULATION	
Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 89 to 145
Overvoltage Correction	Input voltages between 128 and 149 are reduced by 15%
Undervoltage Correction	Input voltages between 89 and 108 are boosted by 18%
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	Touchscreen LCD reports input voltage, output voltage, load percentage, battery charge percentage and overload status
Switches	Power off/on switch
Audible Alarm	UPS remains silent in battery backup mode; Alarm sounds only to report low-battery, fault, overload and replace-battery conditions
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	316
UPS AC Suppression Response Time	Instantaneous
UPS Dataline Suppression	1 line TEL/DSL or Ethernet

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EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
Cooling Method	Fan
Installation Form Factors Supported with Included Accessories	Tower
Primary Form Factor	Desktop
Primary UPS Depth (mm)	381
Primary UPS Height (mm)	191
Primary UPS Width (mm)	140
Shipping Dimensions (hwd / in.)	11.70 x 9.30 x 19.50
Shipping Weight (kg)	11.02
UPS Housing Material	ABS
UPS Power Module Dimensions (hwd, in.)	7.5 x 5.5 x 15
UPS Power Module Weight (kg)	11.02
UPS Power Module Weight (lbs.)	24.3
ENVIRONMENTAL	
Operating Temperature Range	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature Range	+5 to +113 degrees Fahrenheit / -15 to +45 degrees Celsius
Relative Humidity	0 to 90%, non-condensing
AC Mode BTU / Hr. (Full Load)	145
AC Mode Efficiency Rating (100% Load)	>95%
COMMUNICATIONS	
PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at http://www.tripplite.com/poweralert
Communications Cable	USB and Serial interface cables included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Network UPS Tools Compatibility	
Communications Interface	DB9 Serial; USB (HID enabled)
LINE / BATTERY TRANSFER	
Transfer Time	6 milliseconds typical (10 milliseconds max)
Low Voltage Transfer to Battery Power (Setpoint)	89
High Voltage Transfer to Battery Power (Setpoint)	145

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SPECIAL FEATURES	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Automatic Voltage Regulation (AVR); Surge/noise protection
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS
STANDARDS & COMPLIANCE	
UPS Certifications	Meets FCC Part 15 Category A (EMI); Tested to CSA (Canada); Tested to NOM (Mexico); Tested to UL1778 (USA)
UPS Certification Details	UL1778: 2014 5th EDITION; CAN/CSA-C22.2 NO. 107.3:2014 3rd EDITION; FCC CLASS A; FCC Part 68 Approved (#5WSWP01B005); Industry Canada Approved (#3449A-005, REN0.1B); RETIE (Colombia)
WARRANTY	
Product Warranty Period (U.S. & Canada)	3-year limited warranty
Product Warranty Period (Latin America)	3-year limited warranty
Product Warranty Period (International)	2-year limited warranty
Product Warranty Period (Mexico)	3-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

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