

OmniSmart UPS System

Line-interactive battery backup for personal PCs and workstations



Model #: OMNISMART700

- ▶ 700VA line-interactive tower UPS system
- ▶ Corrects brownouts and overvoltages from 75V to 147V
- ▶ 6 outlets (3 UPS-supported, 3 surge-only)
- ▶ DB9 port and HID-compliant USB port with complete cabling
- ▶ Single-line tel/DSL or network Ethernet line surge suppression
- ▶ \$200,000 Ultimate Lifetime Insurance (USA & Canada only)

DESCRIPTION

Tripp Lite's OMNISMART700 line-interactive UPS system offers voltage regulation, surge suppression and long-lasting battery support for personal computers, internetworking equipment and other sensitive electronics. Supports entry-level PC systems for up to 45 min. during power failures so that connected equipment can be shut down without data loss. Automatic voltage regulation (AVR) circuits regulate brownouts as low as 75V and overvoltages as high as 147V back to normal 120V levels without consuming battery power. Offers complete desktop power protection in an attractive black upright tower configuration. Includes 3 battery-supported outlets for computer, monitor and one vital system peripheral, plus 3 additional surge suppression-only outlets for printers and other system accessories not requiring battery support. DB9 port and HID-compliant USB port enable optional unattended system shutdown without data loss in the case of extended power failure, cabling included. HID-compliant USB port enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. PowerAlert software available via free download from www.tripplite.com. Built-in dataline protection jacks offer protection of a single dialup tel/DSL line or network Ethernet connection. Built-in audible alarm and 4 front panel LEDs indicate line power status, battery power status, battery low/replace status and overload. 700VA/450W power-handling ability supports entry-level PCs, network workstations, point-of-sale equipment, small business phone systems, audio/video equipment and home theater systems. Provides 7 min. battery runtime with a full load of 700VA/450W and 22 min. with a half load of 350VA/225W. Supports user battery replacement via built-in access panel. 2-year warranty; \$200,000 connected equipment insurance (USA & Canada only).

KEY BUYING POINTS

- OMNISMART700 line-interactive UPS system offers voltage regulation and battery support, plus complete AC and tel/DSL/Ethernet line surge suppression
- Supports entry-level PC systems for up to 45 min. during power failures to enable safe system shutdown
- Supports a full load of 700VA/450W for 7 min. and a half load of 350VA/225W for 22 min.
- Automatic voltage regulation (AVR) circuits correct brownouts as low as 75V and overvoltages as high as 147V back to normal 120V levels without consuming battery power
- Attractive black tower configuration
- Includes 6 NEMA 5-15R outlets: 3 battery-supported and 3 surge suppression-only outlets. 6-ft. AC line cord with NEMA 5-15P plug
- DB9 port and HID-compliant USB port enable unattended shutdown without data loss during extended power failures; complete cabling included
- Built-in communications ports support on battery, low battery, power restored, AC line voltage, DC battery voltage and battery capacity messaging; interface supports timed inverter shutoff after unattended shutdown, activate self-test and 10-sec. reboot of connected equipment
- HID-compliant USB port enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- PowerAlert UPS monitoring and unattended shutdown software available via free download from www.tripplite.com
- Supports Tripp Lite's WatchDog software application to restore unresponsive programs by automatically restarting them and rebooting completely locked computers by automatically switching UPS power off and back on again (part # WATCHDOGSW)
- Built-in dataline suppression jacks protect a single dialup tel/DSL line or network Ethernet line connection
- Built-in audible alarm and 4 front panel LEDs indicate UPS system and line power status
- 700VA/425W power-handling ability supports a variety of computer, internetworking, telecom and consumer electronics equipment
- Supports hot-swap battery replacement via built-in access panel
- Compatible with 120V/60Hz applications for USA, Canada, Mexico and more
- 2-year warranty

- \$200,000 connected equipment insurance (USA & Canada only)

TYPICAL APPLICATIONS

- Entry-level PCs, networked workstations, point-of-sale equipment, small business phone systems, audio/video equipment and home theater systems. Ideal for sensitive electronic applications in areas where brownouts and overvoltages are common.

OPTIONS & ACCESSORIES

- USB hubs-accessories: [U202-004-R](#), [U205-004-R](#) [U022-010](#)
- Dataline protectors: [DNET1](#), [DTEL2](#), [DCATV](#)
- Wallmount bracket: [UPSWM](#)
- Circuit tester: [CT120](#)
- Watchdog software: [WATCHDOGSW](#)
- Extended warranties: 3 Year [WEXT3-OMNI](#), 5 Year [WEXT5-OMNI](#)

PACKAGE INCLUDES

- OMNISMART700 UPS System
- DB9, USB and telephone interconnection cables
- Instruction manual with warranty information

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW

System overview:

Line-interactive tower UPS system protects PCs, network workstations and other sensitive electronics from blackouts, brownouts, overvoltages and line noise. Maintains AC output during blackouts and continuously corrects brownouts and overvoltages from 75-147V back to normal 120V levels. Includes DB9 and HID-compliant USB monitoring ports with cabling, tel/DSL or network Ethernet line surge suppression, surge-only outlets and LED indicators. PowerAlert Software available free via download.

Voltage compatibility:

120VAC

Frequency compatibility:

60Hz

OUTPUT

Output volt amp capacity (VA):

700

Output watt capacity (watts):

450

Output nominal voltage:

120V AC

Output voltage regulation:

LINE MODE: Sine wave line voltage 120V (-18%/+8%), BATTERY MODE: PWM sine wave output 120V +/-5%

Output frequency regulation:

LINE MODE: Passes line frequency of 60Hz +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz

Outlet quantity / type:

6 x NEMA 5-15R

INPUT

Maximum input amps:

12A/1440W

Input connection type:

NEMA 5-15P

Input cord length:

6 ft., 14 gauge

Recommended electrical service:

15A 120V

BATTERY

Full load runtime: 7 min. (700VA)

Half load runtime: 22 min. (350VA)

DC system voltage: 12 VDC

Typical battery lifespan: 3-6 years, depending on usage

Battery recharge rate: 2-4 hours to 90%

Replacement Battery Cartridge: RBC52 (quantity 2)

VOLTAGE REGULATION

Voltage regulation description: Automatic voltage regulation (AVR) circuits maintain clean, regulated computer-grade 120V nominal output, without using battery power, during brownouts to 75V and overvoltages to 147V

Overvoltage correction: Input voltages between 128-147VAC are reduced by 12%

Direct pass through: Input voltages between 108-127VAC are passed on to connected equipment unchanged

Brownout correction: Input voltages between 93-107VAC are boosted by 14%

Severe brownout correction: Input voltages between 75-92VAC are boosted by 30%

LEDS ALARMS & SWITCHES

Front panel LEDs: 4 front panel LEDs indicate line power status, battery power status, battery low/replace status and overload

Alarms: Audible alarm with 15-sec. delay sounds to indicate loss of utility power. Alarm can be silenced by pressing front panel alarm cancel button. Once silenced, alarm will re-sound when approximately 2 min. runtime remain.

Switches: Includes 2 front panel switches—one main on/off power switch and one dual function alarm cancel/self test button

SURGE / NOISE SUPPRESSION

AC surge suppression: 510 joules

AC suppression response time: Instantaneous

Dataline suppression: Tel/DSL or Ethernet

EMI / RFI AC noise suppression: Yes

PHYSICAL

Shipping weight (lbs): 22

Shipping weight (kg): 10

Unit weight (lbs): 20

Unit weight (kg): 9.1

Unit Dimensions (HWD/in): 10.6 x 5.25 x 7.5

Unit Dimensions (HWD/cm): 26.9 x 13.3 x 19.1

Shipping Dimensions (HWD/in): 13.5 x 8.25 x 10.4

Shipping Dimensions (HWD/cm): 34.3 x 21 x 26.4

Material of construction: PVC

Form factors supported: Tower

Cooling method: Convection

Battery Access: Battery access door allows user replacement of UPS batteries

ENVIRONMENTAL

Operating Temperature: +32 to +104 degrees Fahrenheit

0 to +40 degrees Celsius

Storage Temperature: +5 to +122 degrees Fahrenheit

-15 to +50 degrees Celsius

Relative Humidity: 0 to 95%, non-condensing

Line mode BTU/hr. (Max.): 37.1

Battery mode BTU/hr. (Max.): 125.7

Audible Noise: <40dB @ 1m

COMMUNICATIONS

Network monitoring port: HID-compliant USB port and DB9 port

Software and cabling included: Complete cabling included; PowerAlert Software available for free download at www.tripplite.com

WatchDog compatibility: Compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of application/OS or hard power off/on reboot of connected equipment; ideal for unattended kiosk applications

LINE / BATTERY TRANSFER

Transfer time from line power to battery mode: 2-4 milliseconds

Low voltage transfer to battery power: Switches to battery power as line voltage decreases to 75V or less. Resets back to line power mode as line voltage increases to 79V or higher.

High voltage transfer to battery power: Switches to battery power as line voltage increases to 147 volts or higher. Resets back to line power mode as line voltage decreases to 143V or less.

CERTIFICATIONS

Certifications: Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), NOM (Mexico), Class B (Emissions), FCC part 68 and Industry Canada (Telecommunications), RoHS compliant

WARRANTY

Optional coverage: 3-5 year warranties, plus next-day and on-site warranty coverage available. Contact Tripp Lite for additional information.

Product warranty: 2 years

Connected equipment insurance (USA and Canada Only): \$200,000 connected equipment insurance (USA & Canada only)

SPECIAL FEATURES

Cold Start: Inverter can be cold started to enable temporary AC output during a power failure

Appearance: Tower format; attractive all-black color scheme

*The policy of Tripp Lite is one of continuous improvement.
Specifications are subject to change without notice.
Therefore, your product may vary slightly from what is currently listed.*



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