Omni Smart UPS System

Line-interactive battery backup for personal PCs and workstations

Model #: OMNISMART700

- 700VA line interactive, tower UPS system

- Corrects brownouts and overvoltages from 75 to 147V

- 6 protected outlets (3 UPS Supported / 3 Surge-only)

- USB Communications Port and PowerAlert UPS monitoring software (free download)

- Single line Tel/DSL or network ethernet line surge suppression

- $200,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

- Estimated Retail Pricing: $249.00

DESCRIPTION

Tripp Lite's OMNI SMART 700 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 minutes during power failures so that connected equipment can be shutdown without data loss. Automatic Voltage Regulation (AVR) circuits regulate brownouts as low as 75 volts and overvoltages as high as 147 back to normal 120V levels without consuming battery power. Offers complete desktop power protection in an attractive gray 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. USB port enables optional unattended system shutdown without data loss in the case of extended power failure, USB cable included. PowerAlert software available via free download from www.tripplite.com. Built-in dataline protection jacks offer protection of a single dialup phone/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 / 425 watt power handling ability supports entry-level PCs, network workstations, point-of-sale equipment, small business phone systems, audio/video equipment and home theater systems. Offers 7 minutes battery runtime with a full load of 700VA/425 watts and 22 minutes with a half load of 350VA/213 watts. Supports user battery replacement via built-in access panel. 2 year warranty. $200,000 connected equipment insurance (USA & Canada only).

KEY BUYING POINTS

- OMNI SMART 700 line interactive UPS system offers voltage regulation and battery support, plus complete AC and dialup/DSL/ethernet line surge suppression
- Supports entry level PC systems for up to 45 minutes during power failures to enable a safe system shutdown
- Supports a max load of 700VA/425 watts for 7 minutes and a half load of 350VA/213 watts for 22 minutes
- Automatic Voltage Regulation (AVR) circuits correct brownouts as low as 75 volts and overvoltages as high as 147 back to normal 120 volt levels without using battery power
- Attractive gray tower configuration
- Includes 3 battery supported outlets, plus 3 additional surge suppression-only outlets, 6 foot AC line cord (all NEMA 5-15)
- USB port enables unattended shutdown without data loss during extended power failures, includes USB cable
- Built-in USB port supports 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 second reboot of connected equipment
- 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 phone / DSL line or network ethernet line connection
- Built-in audible alarm and 4 front panel LEDs indicate UPS system and line power status
- 700VA / 425 watt 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 manufacturers 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

- OMNI SMART 700 UPS System
- 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 to 147 volts back to normal 120V levels. Includes USB monitoring port 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):	425
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 NEMA 5-15R output receptacles (3 with UPS and surge suppression / 3 with surge suppression only)

INPUT

Maximum input amps:	12A / 1440 watts
Input connection type:	NEMA 5-15P
Input cord length:	6 ft., 14 gauge
Recommended electrical service:	15A 120V

BATTERY

Full load runtime:	7 minutes (700VA)

Half load runtime:	22 minutes (350VA)
DC system voltage:	12 VDC
Typical battery lifespan:	3-6 years, depending on usage
Battery recharge rate:	2-4 hours to 90%

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 and 147VAC are reduced by 12%
Direct pass through:	Input voltages between 108 and 127VAC are passed on to connected equipment unchanged
Brownout correction:	Input voltages between 93 and 107VAC are boosted by 14%
Severe brownout correction:	Input voltages between 75 and 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 second 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 minutes 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:	480 joules
AC suppression response time:	Instantaneous
Dataline suppression:	Single pair of 8 wire RJ-style phone connectors protects TEL/DSL or ethernet line. Dialup phone suppression on the center two wires with 260V clamping. Ethernet suppression covers pins 1,2,3,6 with 7.5V clamping. Includes phone cable.
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, wall mountable with optional UPSWM accessory
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:	Single built-in USB port supports 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 second reboot of connected equipment.
Software and cabling included:	USB cabling included, PowerAlert software available for free download at www.tripplite.com

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 75 volts 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:	UL1778 (USA), cUL (Canada), FCC Class B (emissions), NOM (Mexico), FCC Part 68 / Industry Canada (telecommunications)

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 year product warranty
Connected equipment insurance (USA and Canada Only):	$200,000 connected equipment insurance (USA and Canada only)

SPECIAL FEATURES

Cold Start:	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance:	Attractive gray tower UPS

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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