

# OmniSmart UPS System

Line-interactive UPS corrects severe brownouts and overvoltages



## Model #: OMNISMART300PNP

- ▶ 300VA line interactive, tower UPS system
- ▶ Corrects brownouts and overvoltages from 75 to 147V
- ▶ 3 protected outlets
- ▶ USB communications port and PowerAlert UPS Monitoring Software (available via free download)
- ▶ Single line tel/DSL line surge suppression
- ▶ \$200,000 Ultimate Lifetime Insurance (USA & Canada only)

## DESCRIPTION

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Tripp Lite's OMNISMART300 line interactive UPS system offers voltage regulation, surge suppression and long lasting battery support for personal computers, internetworking equipment and other sensitive electronics. Large internal battery supports entry level PC systems for up to 30 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 with full AC surge suppression. 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](http://www.tripplite.com). Built-in dataline protection jacks offer protection of a single dialup phone/DSL line. Built-in audible alarm and 4 front panel LEDs indicate line power status, battery power status, battery low/replace status and voltage regulator operation. 300VA / 180 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 14 minutes battery runtime with a full load of 300VA/180 watts and 32 minutes with a half load of 150VA/90 watts. Supports battery replacement via built-in access panel. 2 year warranty. \$200,000 connected equipment insurance (USA & Canada only).

## KEY BUYING POINTS

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- OMNISMART300 line interactive UPS system offers voltage regulation and battery support, plus complete AC and dialup/DSL line surge suppression
- Supports entry level PC systems for up to 30 minutes during power failures to enable a safe system shutdown
- Supports a maximum load of 300VA/180 watts for 14 minutes and a half load of 150VA/90 watts for 32 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
- Built-in USB port supports PowerAlert UPS Power Management Software (available via free download at [tripplite.com](http://tripplite.com)) and cabling provides monitoring of in-depth site power conditions, full UPS status and fault warnings, output load level and load bank power control
- Supports Tripp Lite's WatchDog Service Monitoring/Rebooting Software (part# WATCHDOGSW)
- Built-in dataline suppression jacks protect a single dialup phone / DSL line
- Built-in audible alarm and 4 front panel LEDs indicate UPS system and line power status
- 500VA / 300 watt power handling ability supports a variety of computer, internetworking, telecom and consumer electronics equipment
- Supports battery replacement via built-in access panel
- Compatible with 120V / 60Hz applications for USA, Canada, Mexico and more
- 2 year manufacturer's warranty
- \$200,000 connected equipment insurance (USA & Canada only)

## TYPICAL APPLICATIONS

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- 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

- OMNISMART300 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 surge suppression and LED indicators. PowerAlert software available free via download.
Voltage compatibility:	120VAC
Frequency compatibility:	60Hz
OUTPUT	
Output volt amp capacity (VA):	300
Output watt capacity (watts):	180
Output nominal voltage:	120VAC
Output voltage regulation:	LINE MODE: Sine wave line voltage 120V (-18% / +8%), BATTERY MODE: PWM sine wave output 115V +/-5%
Output frequency regulation:	LINE MODE: Passes line frequency of 60Hz +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz
Outlet quantity / type:	3 NEMA 5-15R
INPUT	
Maximum input amps:	1.8A / 215 watts
Input connection type:	NEMA 5-15P
Input cord length:	6 ft., 16 gauge
Recommended electrical service:	15A 120V
BATTERY	
Full load runtime:	14 minutes (300VA)
Half load runtime:	32 minutes (150VA)
DC system voltage:	12V DC
Typical battery lifespan:	3-6 years, depending on usage
Battery recharge rate:	2-4 hours to 90%
VOLTAGE REGULATION	

<b>Voltage regulation description:</b>	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
<b>Overvoltage correction:</b>	Input voltages between 128 and 147VAC are reduced by 12%
<b>Direct pass through:</b>	Input voltages between 108 and 127VAC are passed on to connected equipment unchanged
<b>Brownout correction:</b>	Input voltages between 93 and 107VAC are boosted by 14%
<b>Severe brownout correction:</b>	Input voltages between 75 and 92VAC are boosted by 30%
<b>LEDS ALARMS &amp; SWITCHES</b>	
<b>Front panel LEDs:</b>	4 front panel LEDs indicate line power status, battery power status, battery low/replace status and voltage regulation operation
<b>Alarms:</b>	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.
<b>Switches:</b>	Includes 2 front panel switches - one main on/off power switch and one dual function "alarm cancel" / "self test" button
<b>SURGE / NOISE SUPPRESSION</b>	
<b>AC surge suppression:</b>	1920 joules
<b>AC suppression response time:</b>	Instantaneous
<b>Dataline suppression:</b>	Single line TEL/DSL surge suppression with RJ-style phone connectors (center 2 wires protected, 260V clamping), includes phone cable
<b>EMI / RFI AC noise suppression:</b>	Yes
<b>PHYSICAL</b>	
<b>Shipping weight (lbs):</b>	15
<b>Shipping weight (kg):</b>	6.8
<b>Unit weight (lbs):</b>	13.5
<b>Unit weight (kg):</b>	6.1
<b>Unit Dimensions (HWD/in):</b>	8.5 x 5 x 6.5
<b>Unit Dimensions (HWD/cm):</b>	21.6 x 12.7 x 16.5
<b>Shipping Dimensions (HWD/in):</b>	12.25 x 10 x 8.5
<b>Shipping Dimensions (HWD/cm):</b>	31.1 x 25.4 x 21.6
<b>Material of construction:</b>	PVC
<b>Form factors supported:</b>	Tower, wall mountable with optional UPSWM accessory
<b>Cooling method:</b>	Convection
<b>Battery Access:</b>	Battery access door allows user replacement of UPS batteries
<b>ENVIRONMENTAL</b>	
<b>Operating Temperature:</b>	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
<b>Storage Temperature:</b>	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
<b>Relative Humidity:</b>	0 to 95%, non-condensing
<b>Line mode BTU/hr. (Max.):</b>	15.7
<b>Battery mode BTU/hr. (Max.):</b>	53.2
<b>COMMUNICATIONS</b>	
<b>Network monitoring port:</b>	Built-in USB port supports on battery, low battery, power restored, AC line voltage and frequency, DC battery voltage and charge level, battery age, voltage regulation status and UPS install date. Interface supports timed inverter shutoff after unattended shutdown, activate self-test and 10 second reboot of connected equipment.
<b>Software and cabling included:</b>	USB cabling included, PowerAlert software available for free download at <a href="http://www.tripplite.com">www.tripplite.com</a>

<b>WatchDog compatibility:</b>	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
<b>LINE / BATTERY TRANSFER</b>	
<b>Transfer time from line power to battery mode:</b>	2-4 milliseconds
<b>Low voltage transfer to battery power:</b>	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.
<b>High voltage transfer to battery power:</b>	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.
<b>CERTIFICATIONS</b>	
<b>Certifications:</b>	UL1778 (USA), cUL (Canada), FCC Class B (emissions), NOM (Mexico), FCC Part 68 / Industry Canada (telecommunications)
<b>WARRANTY</b>	
<b>Optional coverage:</b>	2 year product warranty
<b>Product warranty:</b>	\$50,000 connected equipment insurance (USA and Canada only)
<b>Connected equipment insurance (USA and Canada Only):</b>	3-5 year warranties, plus next day and on-site warranty coverage available. Contact Tripp Lite for additional information.
<b>SPECIAL FEATURES</b>	
<b>Cold Start:</b>	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
<b>Appearance:</b>	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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