

Omni Smart UPS System

Line Interactive UPS Corrects Severe Brownouts and Overvoltages



Model #: OMNISMART1050

- ▶ 1050VA line interactive, tower UPS system
- ▶ Maintains 120V nominal output during brownouts to 75 and overvoltages to 147
- ▶ 6 protected AC outlets (NEMA 5-15R)
- ▶ USB monitoring port and cabling for use with free PowerAlert monitoring software
- ▶ \$200,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

DESCRIPTION

Tripp Lite's OMNI SMART 1050 line interactive UPS system offers voltage regulation, surge suppression and long lasting battery support for personal computers, internetworking equipment and other sensitive electronics. Supports a single entry level PC system for up to 60 minutes during power failures to facilitate a safe shutdown without data loss. Automatic Voltage Regulation (AVR) circuits regulate brownouts as low as 75 volts and overvoltages to 147 volts back to normal 120V levels, all without using battery power. Includes 6 battery supported outlets and 6 foot AC line cord. USB port enables optional safe unattended system shutdown in the case of extended power failure as well as continuous UPS and site power condition monitoring, USB cable included. PowerAlert software available via free download from www.tripplite.com. Built-in audible alarm and 5 front panel LEDs indicate status of line power, battery power, battery low/replace, voltage regulation and overload. 1050VA / 705 watt power handling ability supports multiple entry-level PCs, network workstations, point-of-sale terminals, small to medium business phone systems, audio/video workstations and heavily configured home theater systems. Offers 7 minutes battery runtime with a full load of 1050VA and 23 minutes with a half load of 525VA. Supports hot swap battery replacement via built-in access panel. 2 year warranty. \$200,000 connected equipment insurance (USA & Canada only).

KEY BUYING POINTS

- OMNI SMART 1050 line interactive UPS system offers voltage regulation and battery support, plus complete AC surge suppression
- Prevents equipment damage, data loss and downtime due to power problems
- Supports a single entry level PC system for up to 60 minutes during power failures to enable a safe system shutdown
- Supports a max load of 1050VA for 7 minutes
- Supports a half load of 525VA for 23 minutes
- Automatic Voltage Regulation (AVR) circuits correct brownouts as low as 75 and overvoltages as high as 147 volts to normal 120 volt levels without using battery power
- Upright tower configuration uses only 51 square inches of floor or desktop space
- Includes 6 battery supported outlets, 6 foot AC line cord (all NEMA 5-15)
- USB port enables safe unattended shutdown without data loss during extended power failures, includes USB cable
- USB port supports messaging of UPS and line power status, including on-battery, low-battery, power-restored, AC line voltage, DC battery voltage and battery capacity
- PowerAlert UPS monitoring 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
- Built-in audible alarm and 5 front panel LEDs indicate status of line power, battery power, battery low/replace, voltage regulation and overload status
- 1050VA / 705 watt power handling ability supports multiple entry-level PCs, network workstations, point-of-sale terminals, small to medium business phone systems, audio/video equipment stations and heavily configured home theater systems
- Supports hot-swap battery replacement via built-in battery 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

- Network workstations, small-business servers, CAD/CAM/CAE workstations, small & mid-size business telephone/voicemail systems, hubs, routers, personal computers and more.

OPTIONS & ACCESSORIES

- Dataline protectors: [DNET1](#) [DTEL2](#), [DCATV](#)
- Wallmount Bracket: [UPSWM](#)
- Circuit Tester: [CT120](#)
- Extended warranties: 3 Year [WEXT3-OMNI](#), 5 Year [WEXT5-OMNI](#)

PACKAGE INCLUDES

- OMNI SMART 1050 UPS System
- USB cable
- Warranty information
- Instruction manual

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 and LED indicators. PowerAlert software available free via download.

Voltage compatibility:

120V AC

Frequency compatibility:

60Hz

OUTPUT

Output volt amp capacity (VA):

1050

Output watt capacity (watts):

705

Output nominal voltage:

120V AC

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:

6 NEMA 5-15R

INPUT

Maximum input amps:

6.7A / 760 watts

Input connection type:

NEMA 5-15P right-angle

Input cord length:

6 ft., 16 gauge

Recommended electrical service:

15A 120V

BATTERY

Full load runtime:

7 minutes (1050VA)

Half load runtime:

23 minutes (525VA)

DC system voltage:

18 VDC

Typical battery lifespan:

3-6 years, depending on usage

Battery recharge rate:	2-4 hours to 90%
Replacement Battery Cartridge:	RBC52 (quantity 3)
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
Oversupply correction:	Input voltages between 128 and 147V AC are reduced by 12%
Direct pass through:	Input voltages between 108 and 127V AC are passed on to connected equipment unchanged
Brownout correction:	Input voltages between 93 and 107V AC are boosted by 14%
Severe brownout correction:	Input voltages between 75 and 92V AC are boosted by 30%
LEDS ALARMS & SWITCHES	
Front panel LEDs:	5 front panel LEDs indicate line power status, battery power status, battery low/replace status, voltage regulation operation and overload status
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:	-
EMI / RFI AC noise suppression:	Yes
PHYSICAL	
Shipping weight (lbs):	30.5
Shipping weight (kg):	13.8
Unit weight (lbs):	28.6
Unit weight (kg):	13
Unit Dimensions (HWD/in):	11.75 x 7.25 x 7.25
Unit Dimensions (HWD/cm):	29.8 x 18.4 x 18.4
Material of construction:	PVC
Form factors supported:	Tower
Cooling method:	Convection
Battery Access:	Battery access door allows user replacement of UPS batteries. Hot-swappable battery replacement supported.
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
COMMUNICATIONS	
Network monitoring port:	USB
Software and cabling included:	USB 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 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:	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), Class B (emissions), NOM (Mexico)
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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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