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Model #: OMNISMART700

OmniSmart UPS System - Line-interactive battery backup for personal PCs and workstations



Highlights

- 700VA line interactive tower UPS
- Maintains 120V nominal output over an input range of 75 to 147V
- Workstation optimized features include USB port (HID-PDC compliant), single line TEL / DSL line surge suppression and three surge-only outlets
- Input: NEMA 5-15P (120V 15A) / Output: 6 NEMA 5-15R (120V)
- 2 year product warranty / \$200,000 [Ultimate Lifetime Insurance](#) (USA, Puerto Rico & 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 4 min. battery runtime with a full load of 700VA/450W and 17 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).

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.

Package Includes

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

Features

- 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 4 min. and a half load of 350VA/225W for 17 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)

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120VAC
Frequency compatibility	60Hz
OUTPUT	
Output VA	700
Output 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 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	12A
Input connection type	NEMA 5-15P
Input cord length	6 ft.
Recommended electrical service	15A 120V
BATTERY	
Full load runtime	4 min. (700VA)
Half load runtime	17 min. (350VA)
DC system voltage	12 VDC
Typical battery lifespan	3-6 years, depending on usage
Battery recharge rate	6 hours
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/Ethernet
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Shipping weight (lbs)	22
Shipping weight (kg)	10
Shipping Dimensions (HWD/in)	14 x 8.25 x 10.4
Shipping Dimensions (HWD/cm)	35.6 x 21 x 26.4
Unit weight (lbs)	20
Unit weight (kg)	9.1
Unit Dimensions (HWD/in)	10.75 x 5.25 x 7.5
Unit Dimensions (HWD/cm)	27.3 x 13.3 x 19.1
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	
COMMUNICATIONS	
Network monitoring port	USB (HID) & DB9
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 (Canada), NOM (Mexico), Class B (Emissions), FCC part 68 and Industry Canada (Telecommunications), RoHS compliant
WARRANTY	
Product warranty	2 years
Connected equipment insurance (USA and Canada Only)	\$200,000 connected equipment insurance (USA & Canada only)
Optional coverage	3-5 year warranties, plus next-day and on-site warranty coverage available. Contact Tripp Lite for additional information.
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

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/products/model.cfm?txtModelID=23.