



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 .

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

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

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 |

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

Related Items

| | | |
|-----------------------------|---|-----------------|
| Extended Warranties | | |
| WEXT3-OMNI | 3-Year Extended Warranty - For OmniSmart, OmniPro, OmniVS | Qty: [optional] |
| WEXT5-OMNI | 5-Year Extended Warranty - For OmniSmart, OmniPro, OmniVS | Qty: [optional] |
| Software | | |
| WATCHDOGSW | WatchDog Service Monitoring / Reboot Software | Qty: [optional] |
| Surge Protectors | | |
| DTEL2 | Network Surge Suppressor - Essential protection for data and communication lines | Qty: [optional] |
| DNET1 | Network Surge Suppressor - Essential protection for data and communication lines | Qty: [optional] |
| DCATV | Network Surge Suppressor - Essential protection for TV/VCR coaxial lines | Qty: [optional] |
| USB Hubs/Accessories | | |
| U022-010 | USB Cable - 10-ft. USB 2.0 AB Gold Device Cable | Qty: [optional] |
| Wallmount Bracket | | |
| UPSWM | Wallmount Bracket and installation accessories (4 washers, 4 screws, 1 Velcro safety strap) | Qty: [optional] |