

Home Theater UPS System

Protects components against blackouts, surges & line noise



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Compatible

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Developed for
the market

Model #: HT850UPS

- ▶ Ultra-compact line-interactive UPS
- ▶ Maintains 120V nominal output over an input range of 83V to 147V
- ▶ Workstation-optimized features include USB port, single-line tel/DSL and gold coaxial surge suppression jacks, 6 battery- and surge-protected outlets and 6 additional surge-only outlets (12 total)
- ▶ Input: NEMA 5-15P (120V 15A) / Output: 12 NEMA 5-15R (120V)
- ▶ 2-year product warranty; \$100,000 Ultimate Lifetime Insurance (USA and Canada only)

DESCRIPTION

Tripp Lite's HT850UPS line-interactive UPS offers complete protection for PCs, workstations and other sensitive electronics in an ultra-compact, mountable housing. Internal UPS circuits support individual VCR/DVR components as long as 3 hours during power failures. Prevents data loss and system downtime by providing battery-supported AC output during blackouts and automatic voltage regulation (AVR) during brownouts and overvoltages. Includes 12 output receptacles, 4 of which are widely spaced to accommodate large transformer blocks without obscuring adjacent outlets. 6 outlets offer full battery support and surge suppression, protecting computers, monitors and other vital system components from power loss. 6 additional outlets with surge suppression only are ideal for printers and other peripherals not requiring battery support. Single-line telephone suppression jacks protect modems, fax machines, cordless phones or other equipment with a DSL or standard dialup RJ-11 phone line connection. Set of gold coaxial line surge suppression jacks protect CATV, satellite or broadcast antenna connections. USB port with included cable and PowerAlert monitoring software enables safe unattended system shutdown in case of extended power failure. HID-compliant USB interface enables integration with built-in power management and auto-shutdown features of Windows and Mac OS X. Audible alarm and front panel LEDs offer status information regarding line and battery power operation. 450W power-handling ability supports entry-level PCs for up to 35 min. during power failures. 2-year warranty; \$100,000 Ultimate Lifetime Insurance (USA and Canada only).

KEY BUYING POINTS

- HT850UPS line-interactive UPS offers protection from blackouts, brownouts and surges on AC, tel/DSL and coaxial line connections
- Built-in automatic voltage regulation (AVR) boosts brownouts as low as 83V and reduces overvoltages up to 147V back to usable 120V nominal levels
- 12 AC outlets, 4 of which are widely spaced to accommodate large transformer blocks without obscuring adjacent outlets
- 6 UPS battery-supported outlets protect computers, monitors and vital system peripherals; 6 additional surge suppression-only outlets protect system accessories not requiring battery support
- Provides battery-derived AC output during blackouts, voltage boost during brownouts and voltage reduction during overvoltages
- 750VA/450W power-handling ability supports a variety of home theater equipment, workstations and other sensitive electronics
- Supports individual VCR/DVR components as long as 3 hours during power failures
- Built-in single-line tel/DSL surge suppression protects modems, fax machines or cordless phones. Built-in coaxial line surge suppression protects CATV, satellite or broadcast antenna connections
- USB port, included USB cable and PowerAlert Software offer safe, unattended shutdown without data loss during extended outages
- HID-compliant USB interface enables integration with built-in power management and auto-shutdown features of Windows and Mac OS X.
- Supports 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
- Hot-swappable user battery replacement supported via battery access door
- Space-saving, ultra-compact housing fits almost anywhere
- Keyhole mounting flanges enable secure wallmount installation

TYPICAL APPLICATIONS

- Dependable protection for audio/video equipment, home entertainment systems, basic PCs for home/home office use, network workstations and other sensitive electronic devices.

OPTIONS & ACCESSORIES

- Watchdog software: [WATCHDOGSW](#)
- USB Hubs: [U222-004-R](#), [U202-004-R](#), [U203-004-R](#), [U205-004-R](#)
- USB Extension Cables: [U004-006](#), [U004-006-R](#), [U004-010](#), [U004-010-R](#), [U005-010](#)
- Dataline protectors: [DNET1](#) [DTEL2](#), [DCATV](#)
- Circuit Tester: [CT120](#)
- Extended warranties: 3-Year Warranty [WEXT3-INTERNET](#), 5-Year Warranty [WEXT5-INTERNET](#)

PACKAGE INCLUDES

- HT850UPS UPS System
- PowerAlert Software CD-ROM, USB cable, RJ-11 phone cable, 6-foot gold coax cable
- Instruction manual with warranty information

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW

System overview: Ultra-compact line-interactive UPS, 6 UPS/surge suppression outlets and 6 surge suppression only-outlets, single-line tel/DSL and gold coax surge suppression, HID-compliant USB monitoring port

Voltage compatibility: 120VAC

Frequency compatibility: 60Hz

OUTPUT

Output volt amp capacity (VA): 750

Output watt capacity (watts): 450

Output nominal voltage: 120VAC

Output voltage regulation: Sine wave 120V +8%/-21% (line mode) / PWM sine wave 115V +/-5% (battery mode)

Output frequency regulation: LINE MODE: Passes line frequency of 60Hz +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz

Outlet quantity / type: 12 x NEMA 5-15R (6 UPS, 6 surge only)

INPUT

Maximum input amps: 12A

Input connection type: NEMA 5-15P

Input cord length: 6 ft./1.8m

Recommended electrical service: 120V 15A

BATTERY

Full load runtime: 4 min.

Half load runtime: 11 min.

DC system voltage: 12VDC

Typical battery lifespan: 3 to 6 years, depending on usage

Battery recharge rate: 2 to 8 hours to reach 90% charge

Replacement Battery Cartridge: RBC51

VOLTAGE REGULATION

| | |
|--|--|
| Voltage regulation description: | Automatic voltage regulation maintains 120V nominal over an input voltage range of 83V to 147V |
| Overvoltage correction: | Output voltage is reduced by 12% as line voltage increases to 128V or higher |
| Brownout correction: | Output voltage is boosted by 14% as line voltage decreases to 104V or lower |

LEDS ALARMS & SWITCHES

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|--------------------------|--|
| Front panel LEDs: | 2 LEDs indicate line power, battery power status |
| Alarms: | Audible alarm beeps at regular intervals to indicate battery backup operation. Alarm also sounds during self-test operation. Alarm can be disabled using PowerAlert Software |
| Switches: | Combination power off/on/self-test push button switch |

SURGE / NOISE SUPPRESSION

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|--|---|
| AC surge suppression: | 400 joules |
| Dataline suppression: | Single-line tel/DSL surge protection (RJ-style phone connectors—center 2 wires protected, 260V clamping) 1 input jack and 2 output jacks serve as a phone line splitter; single-line gold coax surge protection |
| EMI / RFI AC noise suppression: | Yes |

PHYSICAL

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| Shipping weight (lbs): | 16.4 |
| Shipping weight (kg): | 7.4 |
| Unit weight (lbs): | 15.2 |
| Unit weight (kg): | 6.9 |
| Unit Dimensions (HWD/in): | 3.75 x 12 x 7 |
| Unit Dimensions (HWD/cm): | 9.5 x 30.5 x 17.8 |
| Shipping Dimensions (HWD/in): | 5.5 x 14.5 x 9.75 |
| Shipping Dimensions (HWD/cm): | 14 x 36.8 x 24.8 |
| Material of construction: | ABS |
| Form factors supported: | Ultra-compact desk/floor mount ; mounting flanges enable wall-mount installation |
| Battery Access: | Hot-swappable batteries are accessible via battery door |

ENVIRONMENTAL

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|-------------------------------|--|
| 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: | Single built-in USB port supports on battery, low battery and power restored messaging. Interface supports timed inverter shutoff after unattended shutdown. Compatible with Tripp Lite's PowerAlert and Watchdog service software. HID-compliant USB interface enables integration with built-in power management and auto-shutdown features of Windows and Mac OS X |
| Software and cabling included: | Includes USB cable, PowerAlert UPS monitoring software CD-ROM, RJ-11 phone cable |
| WatchDog compatibility: | Yes, 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 to 4 milliseconds |
| Low voltage transfer to battery power: | Switches to battery power as line voltage drops to 83V or lower / Resets to AC mode as line |

voltage increases to 87V or higher

High voltage transfer to battery power:

Switches to battery power as line voltage increases to 147V or higher / Resets to line power as line voltage drops to 143V or less

CERTIFICATIONS

Certifications:

Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), NOM (Mexico), Class B (emissions), FCC Part 68 and Industry Canada (telecommunications)

WARRANTY

Optional coverage:

Optional 3- and 5-year on-site or factory warranties available for select opportunities. Contact Tripp Lite for more information.

Product warranty:

2 years

Connected equipment insurance (USA and Canada Only):

\$100,000

SPECIAL FEATURES

Cold Start:

Yes, inverter can be cold started to enable temporary AC output during a power failure

*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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