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## Model #: HT850UPS

### Home Theater UPS System - Protects components against blackouts, surges & line noise

#### Highlights



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).

#### Applications

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

#### 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

#### Features

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

## Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120VAC
Frequency compatibility	60Hz
OUTPUT	
Output VA	750
Output 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	

<b>Front panel LEDs</b>	2 LEDs indicate line power, battery power status
<b>Alarms</b>	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
<b>Switches</b>	Combination power off/on/self-test push button switch
<b>SURGE / NOISE SUPPRESSION</b>	
<b>AC surge suppression</b>	400 joules
<b>Dataline suppression</b>	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
<b>EMI / RFI AC noise suppression</b>	Yes
<b>PHYSICAL</b>	
<b>Shipping weight (lbs)</b>	16.4
<b>Shipping weight (kg)</b>	7.4
<b>Shipping Dimensions (HWD/in)</b>	5.5 x 14.5 x 9.75
<b>Shipping Dimensions (HWD/cm)</b>	14 x 36.8 x 24.8
<b>Unit weight (lbs)</b>	15.2
<b>Unit weight (kg)</b>	6.9
<b>Unit Dimensions (HWD/in)</b>	3.75 x 12 x 7
<b>Unit Dimensions (HWD/cm)</b>	9.5 x 30.5 x 17.8
<b>Material of construction</b>	ABS
<b>Form factors supported</b>	Ultra-compact desk/floor mount ; mounting flanges enable wall-mount installation
<b>Battery Access</b>	Hot-swappable batteries are accessible via battery door
<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>COMMUNICATIONS</b>	
<b>Network monitoring port</b>	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 interfac
<b>Software and cabling included</b>	Includes USB cable, PowerAlert UPS monitoring software CD-ROM, RJ-11 phone cable
<b>WatchDog compatibility</b>	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
<b>LINE / BATTERY TRANSFER</b>	
<b>Transfer time from line power to battery mode</b>	2 to 4 milliseconds
<b>Low voltage transfer to battery power</b>	Switches to battery power as line voltage drops to 83V or lower / Resets to AC mode as line voltage increases to 87V or higher
<b>High voltage transfer to battery power</b>	Switches to battery power as line voltage increases to 147V or higher / Resets to line power as line voltage drops to 143V or less
<b>CERTIFICATIONS</b>	

<b>Certifications</b>	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), NOM (Mexico), Class B (emissions), FCC Part 68 and Industry Canada (telecommunications)
<b>WARRANTY</b>	
<b>Product warranty</b>	2 years
<b>Connected equipment insurance (USA and Canada Only)</b>	\$100,000
<b>Optional coverage</b>	Optional 3- and 5-year on-site or factory warranties available for select opportunities. Contact Tripp Lite for more information.
<b>SPECIAL FEATURES</b>	
<b>Cold Start</b>	Yes, inverter can be cold started to enable temporary AC output during a power failure

More information, including related products, owner's manuals, and additional technical specifications, can be found online at [www.tripplite.com/products/model.cfm?txtModelID=3197](http://www.tripplite.com/products/model.cfm?txtModelID=3197).