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Model #: HTR15-2U

Audio/Video Pure Sine Wave UPS - On-Line, Double-Conversion, Pure Sine Wave Power Management System

Highlights

- 1500VA on-line, double-conversion, extended-run UPS; rackmount ears included
- 6 outlets; 2 switchable load banks
- Maintains sine wave 100/110 or 120V +/-2% output during overvoltages to 138V and brownouts as low as 65V (50/60Hz auto-sensing)
- Fault-tolerant auto-bypass mode, current monitoring and switched PDU control
- Simultaneous communications via HID-compliant USB port, serial port and SNMPWEBCARD slot
- 2-year warranty; \$250,000 [Ultimate Lifetime Insurance](#) (USA & Canada only)



Description

Tripp Lite's HTR15-2U Pure Sine Wave 1500VA on-line, double-conversion UPS system prevents media data loss, equipment freeze-ups, downtime and equipment damage due to power outages, voltage fluctuations and transient surges. Provides full-time sine wave 100, 110 or 120V +/-2% output with zero transfer time between AC and battery operation. Actively converts raw incoming AC power to DC, then re-converts output back to completely regulated, filtered AC output. Operates continuously without using battery power during brownouts to 65V and overvoltages to 138V. Network-grade AC surge and EMI/RFI line noise suppression. Dataline surge suppression for a dialup, DSL or network Ethernet connection. Requires only 2 rack spaces (2U); upright tower installation supported with optional 2-9USTAND accessory. Large internal batteries provide 17 min. half-load runtime and 5 min. full load runtime; runtime is expandable with optional BP48V24-2U and BP48V60RT-3U external battery packs. 1500VA/1200W power handling capacity is compatible with audio/video components and other sensitive electronic applications. Includes 6 UPS-supported outlets arranged in two switchable load banks that can be individually controlled via software interface to reboot selected equipment on demand or automatically shed less significant loads to extend battery runtime for more critical equipment. Supports simultaneous communications via USB port, DB9 serial port and SNMPWEBCARD slot for the ultimate in IP addressability and monitoring. HID-compliant USB interface enables full integration with built-in power management and auto-shutdown features of Windows, Mac OS X and Linux. Supports simultaneous detailed monitoring of equipment load levels, self-test data and utility power conditions via all 3 network interfaces. Includes PowerAlert monitoring software and complete cabling. Multi-function audible alarms and front-panel LEDs provide at-a-glance notification of UPS and line power status. Attractive all-black color scheme. 2-year warranty; \$250,000 [connected equipment insurance](#) (USA & Canada only)

Applications

- Ideal for protection of home theater/media center components and other sensitive electronic equipment, including micro display devices, PVRs/DVRs, media center PC/servers, VoIP telephony systems, home automation/control systems and security equipment

Package Includes

- HTR15-2U Audio/Video Pure Sine Wave UPS System
- PowerAlert Software and cabling
- Mounting hardware for 4-post rack enclosures
- Instruction manual with warranty information

Features

- HTR15-2U Pure Sine Wave UPS provides perfectly regulated sine wave output within 2% of 100/110/120V (user selectable) under all usage

conditions

- 1500VA/1200W power handling capacity compatible with micro display devices, projectors, PVRs/DVRs, media center PCs, music servers and other sensitive electronics
- Removes harmonic distortion, fast electrical impulses, frequency variations and other hard-to-solve power problems not addressed by other UPS types
- Corrects line voltage conditions as low as 65V and as high as 138V back to selectable 100/110/120V (+/-2%) values
- 2 switchable load banks (2 outlets each) enable remote outlet management for load shedding or remote reboot of individual devices
- Single-line tel/DSL/Ethernet surge suppression
- Internal battery set offers 18 min. runtime at half load (600W) and 8 min. at full load (1200W)
- Optional BP48V60RT3U external battery pack increases runtime to 155 min. at half load (600W) and 72 minutes at full load (1200W); multi-pack compatible
- Optional BP48V24-2U external battery pack increases runtime to 75 min. at half load (600W) and 34 min. at full load (1200W); limit 1
- Fault-tolerant auto-bypass maintains continuous utility output to connected equipment, even in cases where the UPS suffers internal failure and requires maintenance
- Compact rackmount form factor installs in 2 rack spaces (2U) with a maximum installed depth of only 19 in.
- Offers simultaneous monitoring by up to 3 directly connected devices through included USB, DB9 and SNMP* interfaces (*requires optional SNMPWEBCARD), or the monitoring of any number of additional UPS systems over IP with included PowerAlert monitoring software
- HID-compliant USB interface enables full integration with built-in power management and auto shutdown features of Windows, Mac OS X and Linux
- PowerAlert UPS monitoring and unattended shutdown software enables configurable network broadcast messaging, pager and email notification, event logging and running user-defined script commands
- Front panel LEDs offer current monitoring and battery charge level information
- UPS ships fully assembled in full compliance with DOT regulations; no time-consuming connection of internal batteries by user required
- 2-year warranty; \$250,000 [Ultimate Lifetime Insurance](#) (USA & Canada only)

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120 VAC (100/110/120V)
OUTPUT	
Output Volt Amp Capacity (VA)	1500
Output Watt Capacity (watts)	1200
Nominal Output Voltage(s) Supported	120 VAC (100/110/120V)
Frequency compatibility	50/60 Hz (auto-selectable)
Frequency compatibility details	Regulates line frequency to 50/60Hz +/- 0.05Hz
Output voltage regulation (line mode)	Maintains full-time sine wave output within 2% of selected nominal, less than 3% total harmonic distortion (linear load) / 6% total harmonic distortion (computer load)
Built-in UPS output receptacles	6 x NEMA 5-15R
Built-in controllable switched load banks	2 controllable load banks support automated load shedding and remote reboot on demand of locked network devices (bank 1 has 2 outlets; bank 2 has 4 outlets)
Output circuit breaker	20A input breaker
INPUT	
Rated input current (at maximum load)	12A
UPS input connection type	NEMA 5-15P
UPS Input cord length (ft.)	10 ft.

Recommended Electrical Service	120V 15A
BATTERY	
Full load runtime (minutes)	5 min. with internal batteries (1200w)
Half load runtime (minutes)	18 min. with internal batteries (600W)
Expandable battery runtime	Supports extended runtime with optional external battery pack BP48V24-2U (limit 1) and BP48V60RT-3U (multi-pack compatible)
External battery pack compatibility	BP48V24-2U, BP48V60RT3U
DC system voltage	48VDC
Typical battery lifespan	3-6 years, depending on usage
Battery recharge rate (included batteries)	Less than 6 hours to 80%
Replacement battery cartridge (internal UPS battery replacement)	RBC94-2U
Battery Access	Hot-swap battery replacement supported via front access panel
VOLTAGE REGULATION	
Voltage regulation description	On-line, double-conversion power conditioning maintains output within 2% of 100/110/120 volts at all times
Overvoltage correction	Maintains output of selected nominal +/-2% during overvoltages to 138V AC
Undervoltage correction	Maintains output of selected nominal +/-2% during undervoltages to 65V AC (at loads greater than 70% undervoltage correction extends to 80V)
LEDS ALARMS & SWITCHES	
LED Indicators	LED STATUS DISPLAY: line power (green), online (green), bypass (yellow), on battery (green), overload (red), battery low (yellow) - 4 LED LOAD / BATTERY LEVEL DISPLAY (100%, 75%, 50%, 25%)
Alarms	Multi-function audible alarm with distinctive ring patterns offer notification of backup operation (2 sec. on / 0.5 sec. off), low battery warning (1.25 sec. on / 0.5 sec. off), overload (sounds continuously), UPS fault (4.2 sec. on / 1 sec. off), input voltage out of frequency (2.1 sec. on / 0.14 sec. off) and high input voltage (2.1 sec. on 0.07 sec. off)
Switches	Includes power off/on switch to enable system turn on (press ON switch), UPS battery test (press ON switch during normal AC operation), buzzer silence (press ON switch during battery operation) and OFF (press OFF switch) - all switch functions require tha
SURGE / NOISE SUPPRESSION	
AC suppression response time	Instantaneous
Dataline suppression	Set of 8-wire RJ style interface jacks offer surge suppression for tel/DSL/Ethernet connections. Pins 1,2,3 and 6 offer Ethernet protection starting at 7.5V and the center two wires, pins 4 & 5, offer tel/DSL line suppression starting at 260V
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Installation form factors supported with included accessories	Rack/Tower (2U)
UPS / Power Module weight (lbs)	47.4
UPS / Power Module weight (kg)	21.5
Shipping weight (lbs)	57.3

Shipping weight (kg)	26
UPS housing material	Steel
Cooling method	Built-in cooling fan
ENVIRONMENTAL	
Relative Humidity	0 to 95%, non-condensing
COMMUNICATIONS	
Communications interface	Includes USB and DB9 ports. Built-in DB9 port offers both enhanced RS-232 enabled monitoring data and contact closure monitoring ability. HID-compliant USB interface enables integration with built-in power management and auto-shutdown features of Windows
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 applications
Software and cabling included	Yes, includes PowerAlert software CD-ROM and complete cabling
SNMP compatibility	Yes, includes slot for optional SNMPWEBCARD accessory (#SNMPWEBCARD)
EPO port	Supports Emergency Power Off function via set of dedicated built-in EPO jacks
LINE / BATTERY TRANSFER	
Transfer time	Zeroonline UPS continuously converts incoming AC to DC, then back to AC. When commercial power is interrupted, UPS maintains continuous output from battery reserves with absolutely no disruption in output AC power.
Low voltage transfer to battery power (setpoint)	Maintains continuous operation during undervoltages as low as 65V (80V at load levels over 70%). Below this switchover point, output is supported from battery-derived AC power.
High voltage transfer to battery power (setpoint)	Maintains continuous operation without using battery power during overvoltages to 138V. Above this point, output is supported from battery-derived AC power.
SPECIAL FEATURES	
Cold Start (startup in battery mode during a power failure)	Yes, inverter can be cold started to enable temporary AC output during a power failure
Appearance	Attractive all-black color scheme
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), NOM (Mexico), Class A (emissions), FCC Part 68 / Industry Canada (Telecommunications)
WARRANTY	
Standard warranty period	2 years
Connected equipment insurance (USA, Canada, Puerto Rico)	\$250,000 (USA & Canada only)
Optional Coverage	3- and 5-year extended warranties, plus next day and on-site warranty coverage available for select opportunities. Contact Tripp Lite for additional information.

Related Items

Extended Warranties		
WEXT3-500-1500	3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	Qty: [optional]
WEXT5-500-1500	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	Qty: [optional]

External Battery Packs		
BP48V24-2U	BP48V242U - External Battery Pack for UPS System	Qty: [optional]

BP48V60RT-3U	External Battery Pack and Cable. 3U, Expandable, Blue 2-Point Connector	Qty: [optional]
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Power Distribution		
PS7224	Tripp Lite Power Strip - Multiple outlets wherever you need them	Qty: [optional]
PDU1215	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	Qty: [optional]

Rackmount/Wallmount Kits		
2POSTRMKITWM	Universal 2-Post Rackmount Kit (Supports 2U to 4U UPS systems and battery packs.)	Qty: [optional]

SNMP Accessories		
ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	Qty: [optional]
SNMPWEBCARD	For remote monitoring and control via SNMP, Web or telnet.	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]

Tower Stands		
2-9USTAND	Tower Stand - Expandable Tower Base Stand UPS Accessory	Qty: [optional]

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=3344.