

## BC Personal 120V 450VA 280W Standby UPS, Tower, USB port, 3 Outlets

MODEL NUMBER: **BCPERS450**



### Highlights

- 450VA tower 120V standby UPS
- Maintains AC output during power failures
- USB port, Status LEDs
- NEMA 5-15P input plug and 3 NEMA 5-15R outlets

### Package Includes

- BCPERS450 UPS System
- Instruction manual

### Description

Tripp Lite's BCPERS450 standby UPS offers AC surge suppression and long lasting battery support for desktop PCs, network workstations and a wide variety of consumer and professional electronics. Uninterruptible Power Supply / UPS circuits switch to battery backup mode within milliseconds to keep connected equipment running without interruption or data loss during power failures, brownouts and overvoltages. AC surge suppression prevents connected equipment damage. USB communications port supports built-in power management and auto-shutdown features of Windows and Mac OS X or full featured monitoring and data-saving auto-shutdown options using Tripp Lite's free PowerAlert monitoring software.

### Features

- BCPERS450 small tower 120V standby UPS offers AC power protection from blackouts, brownouts, overvoltages and transient surges
- 450VA / 280 watt UPS output capacity
- Uninterruptible Power Supply / UPS operation maintains battery-derived AC output during blackouts, brownouts and overvoltages to prevent data loss and system downtime for connected equipment
- Built-in USB port enables data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from [www.tripplite.com/poweralert](http://www.tripplite.com/poweralert)
- HID-compliant USB port also enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- 4.6 minutes runtime at 100% load (280 watts), 15 minutes runtime at 50% load (140 watts)
- 30 minutes runtime for a desktop computer system consuming 80 watts continuous
- 3 built-in NEMA 5-15R UPS supported outlets
- NEMA 5-15P input connection with 6ft / 1.8m line cord



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- Network grade AC surge and lightning protection is available from all outlets
- 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
- Front panel LEDs indicate line / battery mode and battery replace status; Audible alarm with alarm cancel / self-test button
- Hot swappable user battery replacement
- Optional PDUB15 bypass PDU enable hot-swappable UPS replacement with no disruption to connected equipment
- Small tower housing supports desk or floor placement

## Specifications

| OVERVIEW                                 |                                     |
|------------------------------------------|-------------------------------------|
| UPC Code                                 | 037332033116                        |
| UPS Type                                 | Standby                             |
| INPUT                                    |                                     |
| Rated input current (Maximum Load)       | 3.1A                                |
| Nominal Input Voltage(s) Supported       | 120V AC                             |
| UPS Input Connection Type                | 5-15P                               |
| UPS Input Cord Length (ft.)              | 6                                   |
| UPS Input Cord Length (m)                | 1.8                                 |
| Recommended Electrical Service           | 15A 120V                            |
| Input Phase                              | Single-Phase                        |
| OUTPUT                                   |                                     |
| Output Volt Amp Capacity (VA)            | 450                                 |
| Output Watt Capacity (Watts)             | 280                                 |
| Nominal Voltage Details                  | 115v nominal output in battery mode |
| Frequency Compatibility                  | 60 Hz                               |
| Output Voltage Regulation (Battery Mode) | +/- 5%                              |
| Hot-Swap PDU options                     | PDUB15 (2U / 8 5-15R outlets)       |
| Output AC Waveform (AC Mode)             | Sine wave                           |
| Output AC Waveform (Battery Mode)        | PWM sine wave                       |



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|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nominal Output Voltage(s) Supported                           | 110V; 115V; 120V                                                                                                                                                           |
| Output Receptacles                                            | (3) 5-15R                                                                                                                                                                  |
| Individually Controllable Load Banks                          | No                                                                                                                                                                         |
| <b>BATTERY</b>                                                |                                                                                                                                                                            |
| Full Load Runtime (min.)                                      | 4.6 min. (280w)                                                                                                                                                            |
| Half Load Runtime (min.)                                      | 15 min. (140w)                                                                                                                                                             |
| DC System Voltage (VDC)                                       | 12                                                                                                                                                                         |
| Battery Recharge Rate (Included Batteries)                    | Less than 3.6 hours from 10% to 90%                                                                                                                                        |
| Internal UPS Replacement Battery Cartridge                    | &nbsp;<a class="productLink" href="//www.tripplite.com/UPS-Replacement-Battery-Cartridge-Tripp-Lite-APC-Belkin-Best-Powerware-Liebert-other-UPS~RBC51">RBC51</a>&nbsp;     |
| Battery Access                                                | Battery access door                                                                                                                                                        |
| Battery Replacement Description                               | Hot-swappable, user replaceable batteries                                                                                                                                  |
| Expandable Runtime                                            | No                                                                                                                                                                         |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b>                  |                                                                                                                                                                            |
| Switches                                                      | 2 Switches control off/on power status and alarm-cancel/self-test operation                                                                                                |
| Alarm Cancel Operation                                        | Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status                                              |
| Audible Alarm                                                 | Audible alarm indicates power-failure and low-battery conditions                                                                                                           |
| LED Indicators                                                | 3 LEDs indicate line power, battery power and battery low/replace status                                                                                                   |
| <b>SURGE / NOISE SUPPRESSION</b>                              |                                                                                                                                                                            |
| UPS AC Suppression Joule Rating                               | 252                                                                                                                                                                        |
| UPS AC Suppression Response Time                              | Instantaneous                                                                                                                                                              |
| EMI / RFI AC Noise Suppression                                | Yes                                                                                                                                                                        |
| <b>PHYSICAL</b>                                               |                                                                                                                                                                            |
| Installation Form Factors Supported with Included Accessories | Tower                                                                                                                                                                      |
| Installation Form Factors Supported with Optional Accessories | Wallmount (&nbsp;<a class="productLink" href="//www.tripplite.com/Wall-Mount-Bracket-Installation-Accessories-for-UPS-Systems~UPSWM">UPSWM</a>&nbsp; - tower mounting kit) |
| Primary Form Factor                                           | Tower                                                                                                                                                                      |
| Primary UPS Depth (mm)                                        | 178                                                                                                                                                                        |
| Primary UPS Height (mm)                                       | 216                                                                                                                                                                        |
| Primary UPS Width (mm)                                        | 132                                                                                                                                                                        |
| Shipping Dimensions (hwd / cm)                                | 30.99 x 20.57 x 24.38                                                                                                                                                      |



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|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shipping Dimensions (hwd / in.)                             | 12.20 x 8.10 x 9.60                                                                                                                                                                                                                       |
| Shipping Weight (kg)                                        | 5.90                                                                                                                                                                                                                                      |
| Shipping Weight (lbs.)                                      | 13.00                                                                                                                                                                                                                                     |
| UPS Housing Material                                        | PVC                                                                                                                                                                                                                                       |
| UPS Power Module Dimensions (hwd, cm)                       | 21.59 x 13.21 x 17.78                                                                                                                                                                                                                     |
| UPS Power Module Dimensions (hwd, in.)                      | 8.5 x 5.2 x 7                                                                                                                                                                                                                             |
| UPS Power Module Weight (kg)                                | 5.44                                                                                                                                                                                                                                      |
| UPS Power Module Weight (lbs.)                              | 12                                                                                                                                                                                                                                        |
| <b>ENVIRONMENTAL</b>                                        |                                                                                                                                                                                                                                           |
| Operating Temperature Range                                 | +32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius                                                                                                                                                                                 |
| Storage Temperature Range                                   | +5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius                                                                                                                                                                                |
| Relative Humidity                                           | 0 to 95%, non-condensing                                                                                                                                                                                                                  |
| AC Mode BTU / Hr. (Full Load)                               | 68                                                                                                                                                                                                                                        |
| AC Mode Efficiency Rating (100% Load)                       | 94%                                                                                                                                                                                                                                       |
| <b>COMMUNICATIONS</b>                                       |                                                                                                                                                                                                                                           |
| PowerAlert Software                                         | For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at <a href="http://www.tripplite.com/poweralert">http://www.tripplite.com/poweralert</a>                                              |
| Communications Cable                                        | USB cable is user supplied                                                                                                                                                                                                                |
| WatchDog Compatibility                                      | Supports Watchdog application, OS and hard-reboot restart options for remote applications                                                                                                                                                 |
| Network UPS Tools Compatibility                             | NUT compatible. See the full list of Tripp Lite NUT compatible UPS systems at <a href="http://www.networkupstools.org/stable-hcl.html?manufacturer=Tripp+Lite">http://www.networkupstools.org/stable-hcl.html?manufacturer=Tripp Lite</a> |
| Communications Interface                                    | USB (HID enabled)                                                                                                                                                                                                                         |
| <b>LINE / BATTERY TRANSFER</b>                              |                                                                                                                                                                                                                                           |
| Transfer Time                                               | 2-4 milliseconds                                                                                                                                                                                                                          |
| Low Voltage Transfer to Battery Power (Setpoint)            | 99V (adjustable to 83V via potentiometer)                                                                                                                                                                                                 |
| High Voltage Transfer to Battery Power (Setpoint)           | 176 (adjustable to 147 via potentiometer)                                                                                                                                                                                                 |
| <b>SPECIAL FEATURES</b>                                     |                                                                                                                                                                                                                                           |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported                                                                                                                                                                                                            |
| High Availability UPS Features                              | Hot swappable batteries                                                                                                                                                                                                                   |
| <b>STANDARDS &amp; COMPLIANCE</b>                           |                                                                                                                                                                                                                                           |



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|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| UPS Certifications                                         | Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category B (EMI)                        |
| <b>WARRANTY</b>                                            |                                                                                                                                   |
| Product Warranty Period (Worldwide)                        | 2-year limited warranty                                                                                                           |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$100,000&nbsp;<a class="insuranceLink" href="//www.tripplite.com/support/insurance-policy">Ultimate Lifetime Insurance</a>&nbsp; |

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<https://www.tripplite.com/products/product-certification-agencies>