### SmartPro 230V 2.2kVA 1.92kW Line-Interactive Sine Wave UPS, 2U, Extended Run, Network Card Options, LCD, USB, DB9

#### MODEL NUMBER: SMX2200XLRT2U





#### Description

SmartPro® Line-Interactive UPS with enhanced LCD interface offers network-grade power protection for critical server, network and telecommunications equipment. Line-Interactive Uninterruptible Power Supply (UPS) with built-in Auto-Voltage Regulation (AVR) actively corrects brownouts and overvoltages back to usable levels while maintaining a full battery charge in case of power failure. This unique configuration excels in exceptionally poor power environments with two separate levels of voltage boost to correct both slight undervoltages and severe brownout conditions. Interactive LCD interface reports UPS operating mode, detailed UPS and site-power data, plus enables a variety of UPS setup and configuration options. Super-fast switchover from line to battery power occurs within milliseconds to maintain operation of connected equipment without interruption or reboot. 98% line-mode efficiency offers reduced heat emissions and operating costs. Network management interfaces support communications via USB, RS-232 and optional network management card option. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and macOS. Network communications ports enable detailed monitoring of equipment load levels, self-test data and utility power conditions. PowerAlert® UPS monitoring software is available via free download. Switched output load banks enable scheduled and real-time remote reboot and load shedding of select outlets. Emergency Power Off (EPO) interface. LCD display panel easily rotates for viewing in rack-mount or tower configurations. Audible alarm with push-button momentary alarm-cancel and silent-mode configuration options. Programmable self-test. Field-replaceable, hot-swappable battery modules.

#### Features

- Line interactive UPS with Automatic Voltage Regulation (AVR) corrects brownouts and overvoltages from 158 to 278V
- C20 AC power inlet; 8 C13 output receptacles, Two independently switchable output load banks
- Maintains uninterrupted operation of connected networking equipment during blackouts, surges, brownouts and overvoltages
- High 98% efficiency rating in line-power mode offers reduced power consumption and BTU emissions
- Internal batteries offer 11.9 minutes at 50% load (960W) and 5 minutes at 100% load (1920W)
- Extended runtime is available with optional BP48V24-2U (limit 1), BP48V60RT3U (no limit) or BP48V27-2US (no limit) external battery packs (max output is reduced to 1600w with external battery packs connected)
- External battery configurations require the use of External Battery Configuration Software (see manual)

#### Highlights

- 2.2kVA / 2200VA / 1920W line interactive 2U rack/tower UPS, Sine Wave
- Extended runtime options up to 1600W, 0.9 Power Factor, Interactive LCD interface
- 98% line-mode efficiency, 2 switched load banks, 4 post mounting kit
- USB, RS232, EPO and slot for network management card options
- 230V C20 inlet, 8 C13 outlets
- Optional WEBCARDLX with latest version of PADM20 supports Auto Probe feature

#### Package Includes

- SMX2200XLRT2U UPS system
- USB, Serial & EPO cabling
- 4 post rackmount installation kit
- Set of 3 C13/C14 power cables
- Instruction manual

- Hot-swappable, user-replaceable internal batteries and external battery packs can be replaced with no
  disruption to connected equipment
- · Intelligent battery management system extends battery life
- Front panel LCD monitoring screen with MODE and ENTER buttons reports operating mode with 5-bar battery charge graphic, plus 7 selectable screens of detailed UPS and site power information
- · LCD interface also supports a number of advanced user setup and operating preferences
- Ships with 4-post rack-mount installation hardware; Optional 2POSTRMKITWM enables 2-post rackmount/wallmount installation; Optional 2-9USTAND enables tower placement
- · Built-in USB, RS-232 and optional network management card options
- Compatible with UPS management card options TLNETCARD, WEBCARDLX, SNMPWEBCARD and RELAYIOCARD
- Optional WEBCARDLX (sold separately) with the latest version of PowerAlert Device Manager firmware (PADM20) provides enhanced remote management capabilities
- PADM20 and PowerAlert Element Manager (PAEM) form a powerful tool for expanding maintenance functions in large installations, including firmware update checks and backup and restoration of device configurations
- · IP-based Auto Probe detects lost connectivity and restores service autonomously
- HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and macOS
- USB & Serial ports enable data-saving unattended shutdown when used with PowerAlert software, available via FREE download from tripplite.eaton.com/products/power-alert
- Optional PDUBHV20 bypass PDU enables hot-swappable UPS replacement with no disruption to connected equipment

### **Specifications**

| OVERVIEW                           |   |  |
|------------------------------------|---|--|
| UPC Code                           | 037332124562  |  |
| UPS Type                           | Line-Interactive  |  |
| INPUT                              |   |  |
| Input Phase                        | Single-Phase  |  |
| Rated input current (Maximum Load) | 10.7A   |  |
| Nominal Input Voltage(s) Supported | 230V AC   |  |
| UPS Input Connection Type          | C20 inlet   |  |
| UPS Input Connection Description   | IEC320-C20 input connection accepts a variety of detachable cordsets to match country or site-specific wall receptacles |  |
| Input Circuit Breakers             | 15A   |  |
| OUTPUT                             |   |  |
| Output Capacity (VA)               | 2200  |  |
| Output Capacity (kVA)              | 2.2   |  |
| Output Capacity (Watts)            | 1920  |  |
| Output Capacity (kW)               | 1.92  |  |

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|---|---|
| Power Factor  | 0.87  |
| Nominal Voltage Details   | 230V nominal output in battery mode   |
| Frequency Compatibility   | 50 / 60 Hz  |
| Frequency Compatibility Details   | Automatic frequency selection   |
| Output Voltage Regulation (Line Mode)   | -15%, +6%   |
| Output Voltage Regulation (Battery Mode)  | +/- 5%  |
| Included Output Power Cables  | Includes 3 C13 to C14 output power cables   |
| Load Management Receptacles   | Two switchable single-outlet C13 load banks   |
| Hot-Swap PDU options  | PDUBHV20 (2U / 6 C13, 2 C19 outlets)  |
| Output AC Waveform (AC Mode)  | Sine wave   |
| Output AC Waveform (Battery Mode)   | Pure Sine wave  |
| Nominal Output Voltage(s)<br>Supported  | 220V; 230V; 240V  |
| Output Receptacles  | (8) C13   |
| Individually Controllable Load Banks  | Yes   |
| BATTERY   |   |
|   |   |
| Battery Type  | Valve Regulated Lead Acid (VRLA)  |
| Battery Type<br>Runtime Full Load (min.)  | Valve Regulated Lead Acid (VRLA)<br>5 min. (1920W)  |
|   |   |
| Runtime Full Load (min.)  | 5 min. (1920W)  |
| Runtime Full Load (min.)<br>Runtime Half Load (min.)  | 5 min. (1920W)<br>11.9 min. (960W)  |
| Runtime Full Load (min.)<br>Runtime Half Load (min.)<br>Expandable Runtime  | 5 min. (1920W)<br>11.9 min. (960W)<br>Yes<br><a class="productLink" href="//tripplite.eaton.com/External-48V-2U-Rack-Tower-Battery-Pack-Enclosure-DC-&lt;br&gt;Cabling-select-UPS-Systems~BP48V24-2U">BP48V24-2U</a> (limit 1); <a <br="" class="productLink">href="//tripplite.eaton.com/External-48V-3U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-<br/>Systems~BP48V60RT-3U"&gt;BP48V-3U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-<br/>Systems~BP48V60RT-3U"&gt;BP48V-3U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-<br/>Systems~BP48V60RT-3U"&gt;BP48V-3U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-<br/>Systems~BP48V20-2U-Rack-Tower-Battery-Pack-for-UPS-Systems~BP48V27-2US"&gt;BP48V27-2US"&gt;BP48V-20-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-<br/>Systems~BP48V60RT-3U"&gt;BP48V-20-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-<br/>Systems~BP48V20-2U-Rack-Tower-Battery-Pack-for-UPS-Systems~BP48V27-2US"&gt;BP48V27-2US"&gt;BP48V27-2US"&gt;BP48V27-2US"&gt;BP48V27-2VS"&gt;BP48V27-2US"&gt;BP48V27-2US"&gt;BP48V27-2US"&gt;BP48V27-2US"&gt;BP48V27-2US"&gt;BP48V27-2US"&gt;BP48V27-2US"&gt;BP48V27-2US"&gt;BP48V27-2US"&gt;BP48V27-2US"&gt;BP48V27-2US"&gt;BP48V27-2US"&gt;BP48V27-2US"</a>   |
| Runtime Full Load (min.)<br>Runtime Half Load (min.)<br>Expandable Runtime<br>External Battery Pack Compatibility   | 5 min. (1920W)<br>11.9 min. (960W)<br>Yes<br><a class="productLink" href="//tripplite.eaton.com/External-48V-2U-Rack-Tower-Battery-Pack-Enclosure-DC-&lt;br&gt;Cabling-select-UPS-Systems~BP48V24-2U">BP48V24-2U</a> (limit 1); <a <br="" class="productLink">href="//tripplite.eaton.com/External-48V-3U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-<br/>Systems~BP48V60RT-3U"&gt;BP48V60RT-3U-/a&gt;  (limit 1);  <a <br="" class="productLink">href="//tripplite.eaton.com/External-48V-3U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-<br/>Systems~BP48V60RT-3U"&gt;BP48V60RT-3U-/a&gt;  (multi-pack compatible);  <a <br="" class="productLink">href="/tripplite.eaton.com/External-48V-2U-Rack-Tower-Battery-Pack-for-UPS-Systems~BP48V27-2US"&gt;BP48V27-<br/>2US</a>  (multi-pack compatible)</a></a>  |
| Runtime Full Load (min.)         Runtime Half Load (min.)         Expandable Runtime         External Battery Pack Compatibility         DC System Voltage (VDC)         Battery Recharge Rate (Included  | 5 min. (1920W)<br>11.9 min. (960W)<br>Yes<br><a class="productLink" href="//tripplite.eaton.com/External-48V-2U-Rack-Tower-Battery-Pack-Enclosure-DC-&lt;br&gt;Cabling-select-UPS-Systems~BP48V24-2U">BP48V24-2U</a> (limit 1); <a <br="" class="productLink">href="//tripplite.eaton.com/External-48V-3U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-<br/>Systems~BP48V60RT-3U"&gt;BP48V60RT-3U-/a&gt;  (limit 1);  <a <br="" class="productLink">href="//tripplite.eaton.com/External-48V-2U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-<br/>Systems~BP48V60RT-3U"&gt;BP48V60RT-3U-/a&gt;  (multi-pack compatible);  <a <br="" class="productLink">href="//tripplite.eaton.com/External-48V-2U-Rack-Tower-Battery-Pack-for-UPS-Systems~BP48V27-2US"&gt;BP48V27-<br/>2US</a>  (multi-pack compatible)<br/>48</a></a>  |
| Runtime Full Load (min.)<br>Runtime Half Load (min.)<br>Expandable Runtime<br>External Battery Pack Compatibility<br>DC System Voltage (VDC)<br>Battery Recharge Rate (Included<br>Batteries)   | 5 min. (1920W)<br>11.9 min. (960W)<br>Yes<br><a class="productLink" href="//tripplite.eaton.com/External-48V-2U-Rack-Tower-Battery-Pack-Enclosure-DC-&lt;br&gt;Cabling-select-UPS-Systems~BP48V24-2U">BP48V24-2U</a> (limit 1); <a <br="" class="productLink">href="//tripplite.eaton.com/External-48V-3U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-<br/>Systems~BP48V60RT-3U"&gt;BP48V60RT-3U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-<br/>Systems~BP48V60RT-3U"&gt;BP48V-20-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-<br/>Systems~BP48V60RT-3U"&gt;BP48V60RT-3U</a><br>href="//tripplite.eaton.com/External-48V-2U-Rack-Tower-Battery-Pack-for-UPS-Systems~BP48V27-2US">BP48V27-<br>2US  (multi-pack compatible)<br>48<br>Less than 4.5 hours from 10% to 90% (typical, full load discharge)   |
| Runtime Full Load (min.)         Runtime Half Load (min.)         Expandable Runtime         External Battery Pack Compatibility         DC System Voltage (VDC)         Battery Recharge Rate (Included Batteries)         Battery Access         Internal UPS Replacement Battery   | 5 min. (1920W)<br>11.9 min. (960W)<br>Yes<br><a class="productLink" href="//tripplite.eaton.com/External-48V-2U-Rack-Tower-Battery-Pack-Enclosure-DC-&lt;br&gt;Cabling-select-UPS-Systems~BP48V24-2U">BP48V24-2Uhref="//tripplite.eaton.com/External-48V-3U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-<br/>Systems~BP48V60RT-3U"&gt;BP48V24-2Uhref="//tripplite.eaton.com/External-48V-3U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-<br/>Systems~BP48V60RT-3U"&gt;BP48V60RT-3Uhref="//tripplite.eaton.com/External-48V-2U-Rack-Tower-Battery-Pack-for-UPS-Systems~BP48V27-2US"&gt;BP48V27-2US2US</a> (multi-pack compatible)<br>48<br>Less than 4.5 hours from 10% to 90% (typical, full load discharge)<br>Front panel battery access door   |
| Runtime Full Load (min.)         Runtime Half Load (min.)         Expandable Runtime         External Battery Pack Compatibility         DC System Voltage (VDC)         Battery Recharge Rate (Included Batteries)         Battery Access         Internal UPS Replacement Battery Cartridge   | 5 min. (1920W)<br>11.9 min. (960W)<br>Yes<br><a class="productLink" href="//tripplite.eaton.com/External-48V-2U-Rack-Tower-Battery-Pack-Enclosure-DC-&lt;br&gt;Cabling-select-UPS-Systems~BP48V24-2U">BP48V24-2U</a> (limit 1); <a <br="" class="productLink">href="/tripplite.eaton.com/External-48V-3U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-<br/>Systems-BP48V60RT-3U"&gt;BP48V24-2U"&gt;BP48V24-2U</a> (limit 1); <a <br="" class="productLink">href="/tripplite.eaton.com/External-48V-3U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-<br/>Systems-BP48V60RT-3U"&gt;BP48V60RT-3U"&gt;BP48V24-2U</a><br>Systems-BP48V60RT-3U">BP48V60RT-3U">BP48V27-2US"  |
| Runtime Full Load (min.)         Runtime Half Load (min.)         Expandable Runtime         External Battery Pack Compatibility         DC System Voltage (VDC)         Battery Recharge Rate (Included Batteries)         Battery Access         Internal UPS Replacement Battery Cartridge         Battery Replacement Description   | 5 min. (1920W)<br>11.9 min. (960W)<br>Yes<br><a class="productLink" href="//tripplite.eaton.com/External-48V-2U-Rack-Tower-Battery-Pack-Enclosure-DC-&lt;br&gt;Cabling-select-UPS-Systems~BP48V24-2U">BP48V24-2U</a> (limit 1); <a <br="" class="productLink">href="/tripplite.eaton.com/External-48V-3U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-<br/>Systems-BP48V60RT-3U"&gt;BP48V24-2U"&gt;BP48V24-2U</a> (limit 1); <a <br="" class="productLink">href="/tripplite.eaton.com/External-48V-3U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-<br/>Systems-BP48V60RT-3U"&gt;BP48V60RT-3U"&gt;BP48V24-2U</a><br>Systems-BP48V60RT-3U">BP48V60RT-3U">BP48V27-2US"  |
| Runtime Full Load (min.)         Runtime Half Load (min.)         Expandable Runtime         External Battery Pack Compatibility         DC System Voltage (VDC)         Battery Recharge Rate (Included Batteries)         Battery Access         Internal UPS Replacement Battery Cartridge         Battery Replacement Description         VOLTAGE REGULATION  | 5 min. (1920W)<br>11.9 min. (960W)<br>Yes<br><a class="productLink" href="//tripplite.eaton.com/External-48V-2U-Rack-Tower-Battery-Pack-Enclosure-DC-&lt;br&gt;Cabling-select-UPS-Systems-BP48V24-2U">BP48V24-2U-/a&gt;  (limit 1);  <a <br="" class="productLink">href="/tripplite.eaton.com/External-48V-3U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-<br/>Systems-BP48V60RT-3U"&gt;BP48V60RT-3U-BP48V60RT-3U-Ashbsp; (limit 1);  <a <br="" class="productLink">href="/tripplite.eaton.com/External-48V-2U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-<br/>Systems-BP48V60RT-3U"&gt;BP48V60RT-3U'&gt;BP48V60RT-3U-/ashbsp; (limit 1);  <a <br="" class="productLink">href="/tripplite.eaton.com/External-48V-2U-Rack-Tower-Battery-Pack-for-UPS-Systems-BP48V27-2US"&gt;BP48V27-2US'<br/>2US-/a&gt;  (multi-pack compatible);  <a <br="" class="productLink">href="/tripplite.eaton.com/External-48V-2U-Rack-Tower-Battery-Pack-for-UPS-Systems-BP48V27-2US"&gt;BP48V27-2US"</a></a></a></a></a> |
| Runtime Full Load (min.)         Runtime Half Load (min.)         Expandable Runtime         External Battery Pack Compatibility         DC System Voltage (VDC)         Battery Recharge Rate (Included Batteries)         Battery Access         Internal UPS Replacement Battery Cartridge         Battery Replacement Description         VOLTAGE REGULATION         Voltage Regulation Description | 5 min. (1920W)         11.9 min. (960W)         Yes          : <a class="productLink" href="//tripplite.eaton.com/External-48V-2U-Rack-Tower-Battery-Pack-for-UPS-Systems-BP48V27-2US" productlink"="">BP48V60RT-3U-&gt;/a&gt;&amp;hbsp (multi-pack compatible); &amp;hbsp:<a class="productLink" href="//tripplite.eaton.com/External-48V-2U-Rack-Tower-Battery-Pack-for-UPS-Systems-BP48V27-2US">BP48V27-2US</a>         48         Less than 4.5 hours from 10% to 90% (typical, full load discharge)         Front panel battery access door         &amp;hbsp<a class="productLink" href="//tripplite.eaton.com/2U-UPS-Replacement-48VDC-Battery-Cartridge-1-set-4-select-Tripp-Lite-SmartPro-UPS-RBC94-2U">RBC94-2U-/a&gt;&amp;hbsp         Hot-swappable, user replaceable batteries         Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 158 to 278</a></a>   |



| Severe Undervoltage Correction                                    | Voltage boost of 24% applies when input voltage is between 158-182V  |
|---|--|
| USER INTERFACE, ALERTS & CON                                      | TROLS  |
| Front Panel LCD Display   | Front panel LCD information and configuration screen offers detailed UPS and site power status and operating data, plus configuration of voltage, operating mode, alarm function and a variety of additional options (see manual for detailed LCD configuration and monitoring options)  |
| Switches  | 3 pushbutton switches control OFF / ON power status, MODE selection and MUTE / ENTER control functions   |
| Alarm Cancel Operation  | Power-fail alarm can be temporarily silenced using alarm-cancel switch; silent mode alarm configuration option available   |
| Audible Alarm   | Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions  |
| SURGE / NOISE SUPPRESSION   |  |
| UPS AC Suppression Joule Rating                                   | 350  |
| UPS AC Suppression Response<br>Time                               | Instantaneous  |
| EMI / RFI AC Noise Suppression                                    | Yes  |
| PHYSICAL  |  |
| Primary Form Factor   | Rackmount  |
| Rack Height   | 2U   |
| Cooling Method  | Fan  |
| Included Mounting Accessory<br>Description                        | Included 4POSTRAILKIT mounting bracket enables installation in 4 post racks from 20.5 to 36 inches (521 to 914mm)  |
| Installation Form Factors Supported with Included Accessories     | 4 post 19 inch rackmount   |
| Installation Form Factors Supported<br>with Optional Accessories  | 2 post rackmount ( <a class="productLink" href="//tripplite.eaton.com/2-Post-Rack-Mount-Wall-Mount-&lt;br&gt;Adapter-Kit-select-Rack-Mount-UPS-Systems-2POSTRMKITWM">2POSTRMKITWM</a> ); 2-4 post front rail<br>rackmount ( <a class="productLink" href="//tripplite.eaton.com/Heavy-Duty-2-post-Front-Mounting-Ear-&lt;br&gt;Kit~UPSHDEARKIT">UPSHDEARKIT</a> ); 4 post rackmount short-depth ( <a <br="" class="productLink">href="//tripplite.eaton.com/4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-Kit-for-Wall-Mount-<br/>Racks~4POSTRAILKITWM"&gt;4POSTRAILKITWM</a> ); 7 ower ( <a <br="" class="productLink">href="//tripplite.eaton.com/2U-9U-Tower-Stand-Kit-select-Rack-Mount-UPS-Systems~2-9USTAND"&gt;2-<br/>9USTAND</a> ); Wallmount ( <a class="productLink" href="/tripplite.eaton.com/2-Post-Rack-Mount-&lt;br&gt;Wall-Mount-Adapter-Kit-select-Rack-Mount-UPS-Systems~2POSTRMKITWM">2POSTRMKITWM</a> ) |
| Minimum Required Rack Depth (cm)                                  | 58.42  |
| Minimum Required Rack Depth (inches)                              | 23   |
| Minimum Required Rack Depth with<br>External Battery Pack (cm)    | 67   |
| Minimum Required Rack Depth with<br>External Battery Pack (in.)   | 26.5   |
| Minimum Required Rack Depth<br>without External Battery Pack (cm) | 55   |
| Minimum Required Rack Depth without External Battery Pack (in.)   | 21.75  |

| Optional Mounting Accessory Notes        | Optional <a class="productLink" href="//tripplite.eaton.com/2U-9U-Tower-Stand-Kit-select-Rack-Mount-UPS-&lt;br&gt;Systems~2-9USTAND">2-9USTAND</a> enables upright tower UPS placement; <a<br>class="productLink" href="/tripplite.eaton.com/2-Post-Rack-Mount-Wall-Mount-Adapter-Kit-select-Rack-Mount-UPS-<br/>Systems~2POSTRMKITWM"&gt;2POSTRMKITWM  enables wall-mount and 2-post rackmount installation;<br/> <a class="productLink" href="/tripplite.eaton.com/4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-Kit-for-&lt;br&gt;Wall-Mount-Racks~4POSTRAILKITWM">4POSTRAILKITWM</a>  enables installation in 4-post short-depth<br/>racks from 14.5 to 23.5 inches (368 to 597mm);  <a class="productLink" href="/tripplite.eaton.com/Heavy-&lt;br&gt;Duty-2-post-Front-Mounting-Ear-Kit-UPSHDEARKIT">UPSHDEARKIT</a>  enables installation in 2 or 4-post<br/>racks using front vertical rails only, without rear support</a<br> |
|--|--|
| Primary UPS Depth (mm)                   | 495  |
| Primary UPS Height (mm)                  | 89   |
| Primary UPS Width (mm)                   | 445  |
| Shipping Dimensions (hwd / in.)          | 8.70 x 24.20 x 21.50   |
| Shipping Dimensions (hwd / cm)           | 22.10 x 61.47 x 54.61  |
| Shipping Weight (lbs.)                   | 81.05  |
| Shipping Weight (kg)                     | 36.76  |
| UPS Housing Material                     | Steel  |
| UPS Power Module Dimensions<br>(hwd, cm) | 8.89 x 44.45 x 49.53   |
| UPS Power Module Dimensions (hwd, in.)   | 3.50 x 17.50 x 19.50   |
| UPS Power Module Weight (kg)             | 31.18  |
| UPS Power Module Weight (lbs.)           | 68.75  |
| Unit Weight (Ibs.)                       | 68.750   |
| Unit Weight (kg)                         | 31.18  |
| ENVIRONMENTAL                            |  |
| Operating Temperature Range              | 32° to 104°F (0° to 40°C)  |
| Storage Temperature Range                | 5° to 122°F (-15° to 50°C)   |
| Relative Humidity                        | 0 to 95%, non-condensing   |
| AC Mode BTU / Hr. (Full Load)            | 161  |
| AC Mode Efficiency Rating (100% Load)    | 98%  |
| Audible Noise                            | 45 dBA maximum, front side 1m  |
| COMMUNICATIONS                           |  |
| Network Management Cards                 | <a class="productLink" href="//tripplite.eaton.com/Web-Management-Accessory-Card-SmartPro-&lt;br&gt;SmartOnline-UPS-Systems~TLNETCARD">TLNETCARD</a> ; <a <br="" class="productLink">href="//tripplite.eaton.com/Network-Card-Eaton-Tripp-Lite-Series-UPS-<br/>Systems~WEBCARDLXE"&gt;WEBCARDLXE</a> ; <a <br="" class="productLink">href="//tripplite.eaton.com/Programmable-Relay-I-O-Card~RELAYIOCARD"&gt;RELAYIOCARD</a>   |
| Network Monitoring Port Description      | Supports detailed monitoring of UPS and site power conditions  |
| PowerAlert Software                      | For local monitoring via the UPS's built-in communication ports, download PowerAlert software at https://tripplite.eaton.com/products/power-alert  |
| Communications Cable                     | USB, DB9 and EPO cabling included  |



| Supports Watchdog application, OS and hard-reboot restart options for remote applications   |
|---|
| Supports watching application, OS and naru-reboot restart options for remote applications   |
| Network management card optional  |
| DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB (HID enabled)   |
|   |
| 6 ms. (AC to DC) / 1 ms. (DC to AC)   |
| 158V  |
| 278V  |
|   |
| Cold-start operation supported  |
| Auto Probe Monitoring and Reboot (requires WEBCARDLX); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Surge/noise protection |
| Greater than 95% efficiency - GREEN UPS; Individually controllable load banks   |
| Back panel grounding lug  |
|   |
| Large Network; High-End Desktop/Small Network   |
|   |
| GOST (Russia)   |
| RoHS; CE (Europe)   |
|   |
| 2-year limited warranty   |
| 2-year limited warranty   |
| 2-year limited warranty   |
|   |



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