



**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
www.tripplite.com

## SmartPro 120V 2200VA 1920W Line-Interactive Sine Wave UPS, 2U, Extended Run, Network Card Options, LCD, USB, DB9

MODEL NUMBER: **SM2200RML2UP**



### Description

Tripp Lite 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. Tripp Lite's 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. 96% line-mode efficiency offers reduced heat emissions and operating costs. Communications interfaces support communications via USB, DB9 serial and slot for optional network management card options. HID-compliant USB port enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. Network communications ports enable detailed monitoring of equipment load levels, self-test data and utility power conditions. PowerAlert monitoring software is available for 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 rackmount 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

- Tripp Lite SM2200RML2UP line interactive 2U rack/tower UPS with 2200VA / 2.2kVA / 1920W capacity and extended runtime options
- Line interactive UPS with Automatic Voltage Regulation (AVR) corrects brownouts and overvoltages from 83 to 145V
- NEMA 5-20P input plug; 4 NEMA 5-15/20R and 4 5-15R output receptacles, Two independently switched output load banks
- Maintains uninterrupted operation of connected networking equipment during blackouts, surges, brownouts and overvoltages
- High 96% efficiency rating in line-power mode offers reduced power consumption and BTU emissions
- Internal batteries offer 12 minutes at 50% load (960W) and 4.5 minutes at 100% load (1920W)
- Extended runtime is available with optional BP48V24-2U (limit 1), BP48V60RT-3U (multi-pack)

### Highlights

- 2.2kVA / 2200VA / 1920W line interactive 2U rack/tower UPS, Sine Wave
- Extended runtime options, 0.9 Power Factor, Interactive LCD interface
- 96% line-mode efficiency, 2 switched load banks, 4-post mounting kit
- USB, RS232, EPO and slot for network management card options
- 120V NEMA 5-20P input, 4 NEMA 5-15R & 4 NEMA 5-15/20R outlets
- To use the Auto Probe feature, this product requires a WEBCARDLX network interface (sold separately) running LX firmware update 15.5.2 or later

### Package Includes

- SM2200RML2UP UPS system
- USB, Serial & EPO cabling
- 4 post installation kit
- Owner's manual



compatible) and BP48V27-2US (multi-pack compatible), Supports 1920 watts in standalone or extended run configurations

- External battery configurations require the use of Tripp Lite's External Battery Configuration Software (see 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 rackmount installation hardware; Optional 2POSTRMKITWM enables 2 post rackmount/wallmount installation; Optional 2-9USTAND enables tower placement
- Built-in USB, DB9 and EPO (Emergency Power Off) interfaces
- Compatible with Tripp Lite UPS management card options TLNETCARD, WEBCARDLX and SNMPWEBCARD
- HID-compliant USB port enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- USB & DB9 ports enable 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)
- Built-in Emergency Power Off (EPO) interface with cable

## Specifications

| OVERVIEW                           |                                                                      |
|------------------------------------|----------------------------------------------------------------------|
| UPC Code                           | 037332144348                                                         |
| UPS Type                           | Line-Interactive                                                     |
| INPUT                              |                                                                      |
| Rated input current (Maximum Load) | 16A                                                                  |
| Nominal Input Voltage(s) Supported | 120V AC                                                              |
| UPS Input Connection Type          | 5-20P                                                                |
| UPS Input Cord Length (ft.)        | 10                                                                   |
| UPS Input Cord Length (m)          | 3.1                                                                  |
| Recommended Electrical Service     | 20A 120V                                                             |
| Input Phase                        | Single-Phase                                                         |
| OUTPUT                             |                                                                      |
| Output Volt Amp Capacity (VA)      | 2200                                                                 |
| Output Capacity (kVA)              | 2.20                                                                 |
| Output Watt Capacity (Watts)       | 1920                                                                 |
| Output kW Capacity (kW)            | 1.92                                                                 |
| Output Capacity Details            | Supports 1920 watts in standalone or extended runtime configurations |

3 / 6



**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
www.tripplite.com

| USER INTERFACE, ALERTS & CONTROLS                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 power-failure, overload and low-battery conditions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| SURGE / NOISE SUPPRESSION                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| UPS AC Suppression Joule Rating                                 | 570                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| UPS AC Suppression Response Time                                | Instantaneous                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| EMI / RFI AC Noise Suppression                                  | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| PHYSICAL                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Primary Form Factor                                             | Rackmount                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Rack Height                                                     | 2U                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cooling Method                                                  | Fan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Included Mounting Accessory 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 with Optional Accessories   | 2 post rackmount ( <a href="#">2-Post-Rack-Mount-Wall-Mount-Adapter-Kit-select-Rack-Mount-UPS-Systems~2POSTRMKITWM</a> ); 2-4 post front rail rackmount ( <a href="#">Heavy-Duty-2-post-Front-Mounting-Ear-Kit~UPSHDEARKIT</a> ); 4 post rackmount short-depth ( <a href="#">4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-Kit-for-Wall-Mount-Racks~4POSTRAILKITWM</a> ); Tower ( <a href="#">2U-9U-Tower-Stand-Kit-select-Rack-Mount-UPS-Systems~2-9USTAND</a> ); Wallmount ( <a href="#">2-Post-Rack-Mount-Wall-Mount-Adapter-Kit-select-Rack-Mount-UPS-Systems~2POSTRMKITWM</a> );                                                                                          |
| Minimum Required Rack Depth with External Battery Pack (cm)     | 66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Minimum Required Rack Depth with External Battery Pack (in.)    | 26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Minimum Required Rack Depth without External Battery Pack (cm)  | 62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Minimum Required Rack Depth without External Battery Pack (in.) | 24.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Optional Mounting Accessory Notes                               | Optional ( <a href="#">2U-9U-Tower-Stand-Kit-select-Rack-Mount-UPS-Systems~2-9USTAND</a> ); enables upright tower UPS placement; ( <a href="#">2-Post-Rack-Mount-Wall-Mount-Adapter-Kit-select-Rack-Mount-UPS-Systems~2POSTRMKITWM</a> ); enables wall-mount and 2-post rackmount installation; ( <a href="#">4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-Kit-for-Wall-Mount-Racks~4POSTRAILKITWM</a> ); enables installation in 4-post short-depth racks from 14.5 to 23.5 inches (368 to 597mm); ( <a href="#">Heavy-Duty-2-post-Front-Mounting-Ear-Kit~UPSHDEARKIT</a> ); enables installation in 2 or 4-post racks using front vertical rails only, without rear support |
| Primary UPS Depth (mm)                                          | 483                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |



**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
[www.tripplite.com](http://www.tripplite.com)

|                                        |                                                                                                                                                                                                                                                                                         |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Primary UPS Height (mm)                | 89                                                                                                                                                                                                                                                                                      |
| Primary UPS Width (mm)                 | 445                                                                                                                                                                                                                                                                                     |
| Shipping Dimensions (hwd / in.)        | 8.80 x 21.70 x 24.00                                                                                                                                                                                                                                                                    |
| Shipping Dimensions (hwd / cm)         | 22.35 x 55.12 x 60.96                                                                                                                                                                                                                                                                   |
| Shipping Weight (lbs.)                 | 80.00                                                                                                                                                                                                                                                                                   |
| Shipping Weight (kg)                   | 36.29                                                                                                                                                                                                                                                                                   |
| UPS Housing Material                   | Steel                                                                                                                                                                                                                                                                                   |
| UPS Power Module Dimensions (hwd, cm)  | 8.89 x 44.45 x 48.26                                                                                                                                                                                                                                                                    |
| UPS Power Module Dimensions (hwd, in.) | 3.50 x 17.50 x 19.00                                                                                                                                                                                                                                                                    |
| UPS Power Module Weight (kg)           | 29.03                                                                                                                                                                                                                                                                                   |
| UPS Power Module Weight (lbs.)         | 64                                                                                                                                                                                                                                                                                      |
| <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)          | 250                                                                                                                                                                                                                                                                                     |
| Battery Mode BTU / Hr. (Full Load)     | 980                                                                                                                                                                                                                                                                                     |
| AC Mode Efficiency Rating (100% Load)  | 96%                                                                                                                                                                                                                                                                                     |
| Audible Noise                          | 45 dBA maximum, front side 1m                                                                                                                                                                                                                                                           |
| <b>COMMUNICATIONS</b>                  |                                                                                                                                                                                                                                                                                         |
| Network Management Cards               | SNMPWEBCARD; &nbsp;<a class="productLink" href="//www.tripplite.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~TLNETCARD">TLNETCARD</a>&nbsp;; &nbsp;<a class="productLink" href="//www.tripplite.com/Web-Management-Accessory-Card~WEBCARDLX">WEBCARDLX</a>&nbsp;; |
| Network Monitoring Port Description    | Supports detailed monitoring of UPS and site power conditions                                                                                                                                                                                                                           |
| PowerAlert Software                    | For local monitoring via the UPS's built-in USB / Serial ports, download PowerAlert Local software at <a href="https://www.tripplite.com/poweralert">https://www.tripplite.com/poweralert</a>                                                                                           |
| Communications Cable                   | USB and DB9 cabling included                                                                                                                                                                                                                                                            |
| WatchDog Compatibility                 | Supports Watchdog application, OS and hard-reboot restart options for remote applications                                                                                                                                                                                               |
| Network UPS Tools (NUT) Compatibility  | NUT compatible. See a full list of NUT compatible Tripp Lite UPS systems at <a href="https://networkupstools.org/stable-hcl.html?manufacturer=Tripp%20Lite">https://networkupstools.org/stable-hcl.html?manufacturer=Tripp%20Lite</a>                                                   |
| Network Management Card Description    | Network management card optional                                                                                                                                                                                                                                                        |
| Communications Interface               | DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB (HID enabled)                                                                                                                                                                                                   |
| <b>LINE / BATTERY TRANSFER</b>         |                                                                                                                                                                                                                                                                                         |
| Transfer Time                          | 5 milliseconds (line to battery mode); 1 millisecond (battery to line mode)                                                                                                                                                                                                             |



**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
[www.tripplite.com](http://www.tripplite.com)

|                                                             |                                                                                                                                                                                                            |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Low Voltage Transfer to Battery Power (Setpoint)            | 83                                                                                                                                                                                                         |
| High Voltage Transfer to Battery Power (Setpoint)           | 145                                                                                                                                                                                                        |
| <b>FEATURES &amp; SPECIFICATIONS</b>                        |                                                                                                                                                                                                            |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported                                                                                                                                                                             |
| High Availability UPS Features                              | Auto Probe Monitoring and Reboot (requires WEBCARDLX); Automatic Voltage Regulation (AVR); Expandable battery backup; Hot swappable batteries; Remote management; Sine wave output; Surge/noise protection |
| Green Energy-Saving Features                                | Greater than 95% efficiency - GREEN UPS; Individually controllable load banks                                                                                                                              |
| Grounding Lug                                               | Back panel grounding lug                                                                                                                                                                                   |
| <b>STANDARDS &amp; COMPLIANCE</b>                           |                                                                                                                                                                                                            |
| Product Certifications                                      | CSA (Canada); NOM (Mexico); UL 1778                                                                                                                                                                        |
| Product Compliance                                          | RoHS; FCC Part 15 Class A (USA)                                                                                                                                                                            |
| <b>WARRANTY</b>                                             |                                                                                                                                                                                                            |
| Product Warranty Period (Worldwide)                         | 2-year warranty, 3 year with registration. Note:&nbsp;<a class="insuranceLink" href="//www.tripplite.com/support/product-warranty-registration">Registration is required</a>&nbsp;for 3-year warranty.     |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico)  | \$250,000&nbsp;<a class="insuranceLink" href="//www.tripplite.com/support/insurance-policy">Ultimate Lifetime Insurance</a>&nbsp;                                                                          |

© 2022 Tripp Lite. All rights reserved. All product and company names are trademarks or registered trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them. Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice. Tripp Lite uses primary and third-party agencies to test its products for compliance with standards. See a list of Tripp Lite's testing agencies: <https://www.tripplite.com/products/product-certification-agencies>