



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## SmartPro 120V 2.2kVA 1.92kW Line-Interactive Sine Wave UPS, 2U, Extended Run, Network Card Options, LCD, USB, DB9, Energy Star

MODEL NUMBER: **SMART2200RMXL2U**



### Highlights

- 2.2kVA / 2200VA / 1920W line interactive 2U rack/tower UPS, Sine Wave
- Extended runtime options up to 1600W, 0.9 Power Factor, 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
- This product is ENERGY STAR qualified for its ability to save customers money while helping to protect the environment

### 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. Network management interfaces support communications via USB, RS-232 and slot for optional Network Management Card. 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 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 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 SMART2200RMXL2U 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

### Package Includes

- SMART2200RMXL2U UPS system
- USB, Serial & EPO cabling
- 4 post installation kit
- Owner's manual



- 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 compatible) and BP48V27-2US (multi-pack compatible), Output is reduced to 1600 watts maximum with external battery packs
- 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, RS-232 and slot for Network Management Card option; 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 & Serial 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
- Energy Star qualified

## Specifications

| OVERVIEW                      |              |
|-------------------------------|--------------|
| UPC Code                      | 037332118059 |
| OUTPUT                        |              |
| Output Volt Amp Capacity (VA) | 2200         |
| Output kVA Capacity (kVA)     | 2.20         |
| Output Watt Capacity (Watts)  | 1920         |
| Output kW Capacity (kW)       | 1.92         |



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

|  |  |
|--|--|
| Output Capacity Details                    | Output is reduced to 1600 watts maximum when used with external battery packs  |
| Power Factor                               | 0.87   |
| Nominal Output Voltage(s) Supported        | 110V; 115V; 120V   |
| Nominal Voltage Details                    | 120v nominal output in battery mode  |
| Frequency Compatibility                    | 60 Hz  |
| Output Voltage Regulation (Line Mode)      | -14%, +6%  |
| Output Voltage Regulation (Battery Mode)   | +/- 5%   |
| Output Receptacles                         | (4) 5-15R; (4) 5-15/20R  |
| Load Management Receptacles                | Two switched single outlet load banks (1 5-15/20R & 1 5-15R)   |
| Output AC Waveform (AC Mode)               | Pure Sine wave   |
| Output AC Waveform (Battery Mode)          | Pure Sine wave   |
| <b>INPUT</b>                               |  |
| Rated input current (Maximum Load)         | 16.0A  |
| 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   |
| <b>BATTERY</b>                             |  |
| Full Load Runtime (min.)                   | 4.5 min. (1920w)   |
| Half Load Runtime (min.)                   | 12 min. (960w)   |
| Expandable Battery Runtime                 | Extended runtime supported via optional external battery packs   |
| External Battery Pack Compatibility        | &nbsp;<a class="productLink" href="//www.tripplite.com/External-48V-2U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-Systems-BP48V24-2U~BP48V24-2U">BP48V24-2U</a>&nbsp;(limit 1); &nbsp;<a class="productLink" href="//www.tripplite.com/External-48V-3U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-Systems-BP48V60RT-3U~BP48V60RT-3U">BP48V60RT-3U</a>&nbsp;(multi-pack compatible); &nbsp;<a class="productLink" href="//www.tripplite.com/External-48V-2U-Rack-Tower-Battery-Pack-for-UPS-Systems-BP48V27-2US~BP48V27-2US">BP48V27-2US</a>&nbsp;(multi-pack compatible) |
| Expandable Runtime Description             | Maximum output capacity is 1600 watts when used with external battery packs  |
| DC System Voltage (VDC)                    | 48   |
| Battery Recharge Rate (Included Batteries) | Less than 4.5 hours from 10% to 90% (typical, full load discharge)   |
| Internal UPS Replacement Battery Cartridge | &nbsp;<a class="productLink" href="//www.tripplite.com/2U-UPS-Replacement-48VDC-Battery-Cartridge-1-set-4-select-Tripp-Lite-SmartPro-UPS~RBC94-2U">RBC94-2U</a>&nbsp;  |
| Battery Access                             | Front panel battery access door  |



|   |   |
|---|---|
| Battery Replacement Description                                 | Hot-swappable, user replaceable batteries   |
| Expandable Runtime  | Yes   |
| <b>VOLTAGE REGULATION</b>                                       |   |
| Voltage Regulation Description                                  | Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 83 to 145  |
| Overvoltage Correction  | Voltage reduction of 12% applies when input is between 127 and 145  |
| Undervoltage Correction   | Voltage boost of 12% applies when input voltage is between 96 and 108   |
| Severe Undervoltage Correction                                  | Voltage boost of 24% applies when input voltage is between 83 and 95  |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b>                    |   |
| 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   |
| <b>SURGE / NOISE SUPPRESSION</b>                                |   |
| UPS AC Suppression Joule Rating                                 | 570   |
| UPS AC Suppression Response Time                                | Instantaneous   |
| EMI / RFI AC Noise Suppression                                  | Yes   |
| <b>PHYSICAL</b>   |   |
| Included Mounting Accessory Description                         | 4 post rackmount installation accessories included  |
| Installation Form Factors Supported with Optional Accessories   | 2 post rackmount (2POSTRMKITWM); Wallmount (2POSTRMKITWM); Tower (2-9USTAND); 2-4 post front rail rackmount (UPSHDEARKIT)   |
| Primary Form Factor   | Rackmount   |
| UPS Power Module Dimensions (hwd, in.)                          | 3.46 x 17.32 x 19.29  |
| UPS Power Module Dimensions (hwd, cm)                           | 8.79 x 43.99 x 49.00  |
| Rack Height (U Spaces)  | 2   |
| Minimum Required Rack Depth without External Battery Pack (cm)  | 62  |
| Minimum Required Rack Depth with External Battery Pack (cm)     | 67  |
| Minimum Required Rack Depth without External Battery Pack (in.) | 24.29   |
| Minimum Required Rack Depth with External Battery Pack (in.)    | 26.29   |



|   |   |
|---|---|
| UPS Power Module Weight (lbs.)                    | 57.6  |
| UPS Power Module Weight (kg)                      | 26.13   |
| Shipping Dimensions (hwd / in.)                   | 8.500 x 24.300 x 21.600   |
| Shipping Dimensions (hwd / cm)                    | 21.59 x 61.72 x 54.86   |
| Shipping Weight (lbs.)                            | 71.3000   |
| Shipping Weight (kg)                              | 32.34   |
| Cooling Method                                    | Fan   |
| UPS Housing Material                              | Steel   |
| Primary UPS Height (mm)                           | 88  |
| Primary UPS Width (mm)                            | 440   |
| Primary UPS Depth (mm)                            | 490   |
| <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)                     | 306   |
| Battery Mode BTU / Hr. (Full Load)                | 1157  |
| AC Mode Efficiency Rating (100% Load)             | 96%   |
| <b>COMMUNICATIONS</b>                             |   |
| Communications Interface                          | USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface   |
| Network Management Cards                          | SNMPWEBCARD; TLNETCARD; &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 communication ports, download PowerAlert Local software at <a href="http://www.tripplite.com/poweralert">http://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 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> |
| <b>LINE / BATTERY TRANSFER</b>                    |   |
| Transfer Time                                     | 5 milliseconds (line to battery mode); 1 millisecond (battery to line mode)   |
| Low Voltage Transfer to Battery Power (Setpoint)  | 83  |
| High Voltage Transfer to Battery Power (Setpoint) | 145   |



| <b>SPECIAL FEATURES</b>                                     |   |
|---|---|
| Grounding Lug   | Back panel grounding lug  |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported  |
| High Availability UPS Features                              | Hot swappable batteries   |
| Green Energy-Saving Features                                | Greater than 95% efficiency - GREEN UPS; Individually controllable load banks   |
| <b>CERTIFICATIONS</b>                                       |   |
| UPS Certifications  | ENERGY STAR Qualified; Meets FCC Part 15 Category A (EMI); ROHS (Restriction of Hazardous Substances); Tested to CSA (Canada); Tested to NOM (Mexico); Tested to UL1778 (USA) |
| <b>WARRANTY</b>   |   |
| Product Warranty Period (Worldwide)                         | 2-year warranty, 3 year with registration. Note: <a href="http://www.tripplite.com/support/product-warranty-registration">Registration is required</a> for 3-year warranty.   |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico)  | \$250,000 <a href="http://www.tripplite.com/support/insurance-policy">Ultimate Lifetime Insurance</a>   |

© 2018 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>