

## TAA SmartPro 120V 1.5kVA 1.35kW Line-Interactive Sine Wave UPS, 2U, Extended Run, Network Card Options, LCD, USB, DB9

MODEL NUMBER: **SM1500RML2UTAA**



### Description

The SM1500RML2UTAA SmartPro 120V 1.5kVA 1.35kW Line-Interactive Sine Wave UPS provides battery backup and AC power protection against blackouts, brownouts, power surges and line noise that can damage electronics or destroy data. Ideal for backing up servers and network storage devices, the SM1500RML2UTAA switches to 1.5kVA/1.35kW battery mode in milliseconds to keep your connected equipment running long enough to save files and shut down safely with no data loss.

Four of the eight NEMA 5-15R outlets may be switched off remotely to reboot equipment or shed nonessential loads to maximize battery backup time for mission-critical equipment. The internal battery provides 14 minutes of support at half load (675W) and 4.9 minutes at full load (1.35kW). Adding optional external battery packs, such as Tripp Lite's [BP36V15-2U](#), provides extended runtime.

Automatic voltage regulation (AVR) maintains 120V nominal output over an input range of 83V to 145V without using battery power. EMI/RFI noise filtering improves your equipment's performance and prevents damage. A 570-joule surge suppression rating protects your equipment from harmful power surges. With Tripp Lite's PowerAlert® software, available via free download, the SM1500RML2UTAA enables safe unattended system shutdown and file saves in case of a prolonged power failure. Compatible with Tripp Lite UPS management card options, including [TLNETCARD](#), [WEBCARDLX](#) and [SNMPWEBCARD](#).

### Features

#### Protects Mission-Critical Rack-Mounted Equipment

- Provides fully regulated sine wave AC output for servers, network storage devices and telecom hardware
- Audible alarm signals loss of utility power, overload, low battery and more
- 8 NEMA 5-15R outlets
- 10 ft. power cord with 120V NEMA 5-15P input
- 570-joule surge suppression rating

#### Reliable Battery Backup with Expandable Runtime

- Supports half load up to 14 min. and full load up to 4.9 min.

### Highlights

- Corrects under- and overvoltages from 83V to 145V
- 8 NEMA 5-15R outlets—4 switchable via network interface
- Network power management and control capability
- Expandable runtime with optional external battery packs
- 14 min. runtime at half load; 4.9 min. at full load

### Package Includes

- SM1500RML2UTAA SmartPro 120V 1.5kVA 1.35kW Line-Interactive Sine Wave UPS
- USB cable
- DB9 cable
- EPO cable
- Mounting hardware
- Owner's manual



- Internal batteries designed for hot-swap field replacement
- Expandable runtime with optional external battery packs, such as Tripp Lite's [BP36V15-2U](#)
- 95% line-power efficiency rating saves money in energy costs

#### Switchable Outlets

- 2 load banks, each with 2 outlets controllable remotely to reboot equipment or shed nonessential loads

#### Automatic Voltage Regulation (AVR)

- Maintains 120V nominal output over input range of 83V–145V without using battery power

#### EMI/RFI Line Noise Filtering

- Removes electromagnetic and radio frequency interference that can disrupt or damage equipment's performance

#### Interactive LCD Screen

- Front-panel LCD monitors power status, operating data, voltage, alarm and other options
- Rotates for easy viewing in rack-mount or tower configurations

#### Optional Network Management Cards

- Compatible with Tripp Lite UPS management cards, including [TLNETCARD](#), [WEBCARDLX](#) and [SNMPWEBCARD](#)

#### Communications Ports

- USB and DB9 ports 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)
- EPO port supports emergency shutdown in large facilities

#### Versatile Installation Options

- Hardware included for 4-post mounting in 2U of EIA-standard 19 in. rack
- Mounts on wall or 2-post rack with optional [2POSTRMKITWM](#) accessory
- Mounts in upright tower position with optional [2-9USTAND](#) accessory
- Mounts to front rails of 2- or 4-post rack with optional [UPSHDEARKIT](#) accessory

#### TAA Compliant

- Complies with Federal Trade Agreements Act (TAA) for GSA Schedule purchases

## Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	1500
Output kVA Capacity (kVA)	1.5
Output Watt Capacity (Watts)	1350
Output kW Capacity (kW)	1.35
Output Capacity Details	Output is reduced to 1200 watts maximum when used with external battery packs



Power Factor	0.9
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	(8) 5-15R
Load Management Receptacles	Two switchable two-outlet 5-15R load banks
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
<b>INPUT</b>	
Rated input current (Maximum Load)	12A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-15P
Input Circuit Breakers	15A
UPS Input Cord Length (ft.)	10
UPS Input Cord Length (m)	3.0
Recommended Electrical Service	15A 120V
Input Phase	Single-Phase
<b>BATTERY</b>	
Full Load Runtime (min.)	4.9 min. (1350w)
Half Load Runtime (min.)	14 min. (675w)
Expandable Battery Runtime	Extended runtime supported via optional external battery packs
External Battery Pack Compatibility	<a href="#">BP36V15-2U</a> (limit 1); <a href="#">BP36V42-3U</a> (multi-pack compatible); <a href="#">BP36V27-2US</a> (multi-pack compatible)
DC System Voltage (VDC)	36
Battery Recharge Rate (Included Batteries)	Less than 4.5 hours from 10% to 90%
Internal UPS Replacement Battery Cartridge	<a href="#">RBC93-2U</a>
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	Input voltages between 127 and 145 are reduced by 12%
Undervoltage Correction	Input voltages between 95 and 108 are boosted by 12%
Severe Undervoltage Correction	Input voltages between 83 and 94 are boosted by 24%
<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	Adjustable mounting rail kit included
Installation Form Factors Supported with Optional Accessories	2 post rackmount( <a href="#">2POSTRMKITWM</a> ); Wallmount( <a href="#">2POSTRMKITWM</a> ); Tower( <a href="#">2-9USTAND</a> ); 2-4 post front rail rackmount( <a href="#">UPSHDEARKIT</a> )
Primary Form Factor	Rackmount
UPS Power Module Dimensions (hwd, in.)	3.45 x 17.3 x 13.45
UPS Power Module Dimensions (hwd, cm)	8.76 x 43.94 x 34.16
Rack Height (U Spaces)	2
Minimum Required Rack Depth (inches)	20.0
Minimum Required Rack Depth (cm)	50.80
UPS Power Module Weight (lbs.)	46.5
UPS Power Module Weight (kg)	21.09
UPS Shipping Dimensions (hwd / in.)	9 x 24 x 20.2
UPS Shipping Dimensions (hwd / cm)	22.86 x 60.96 x 51.31



Shipping Weight (lbs.)	51.3
Shipping Weight (kg)	23.3
Cooling Method	Fan
UPS Housing Material	Steel
Minimum Required Rack Depth (mm)	508
Primary UPS Height (mm)	88
Primary UPS Width (mm)	439
Primary UPS Depth (mm)	342
Shipping Height (mm)	229
Shipping Width (mm)	610
Shipping Depth (mm)	513
<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)	237
Battery Mode BTU / Hr. (Full Load)	751
AC Mode Efficiency Rating (100% Load)	95%
<b>COMMUNICATIONS</b>	
Communications Interface	USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface
Network Management Cards	<a href="#">SNMPWEBCARD</a> ; <a href="#">TLNETCARD</a> ; <a href="#">WEBCARDLX</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 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	4 milliseconds (AC to battery mode), 1 millisecond (Battery to AC 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	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category B (EMI); ROHS (Restriction of Hazardous Substances); TAA Compliant
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 <a href="#">Ultimate Lifetime Insurance</a>

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