

## SmartPro 120V 1kVA 900W Line-Interactive Sine Wave UPS, 2U, Extended Run, Network Card Options, LCD, USB, 8 Outlets

MODEL NUMBER: **SMART1000RML2U**



Protects connected mission-critical equipment against damage, downtime and data loss due to blackouts, brownouts, power surges and line noise. Ideal solution for data centers, VoIP systems and network closets.

### Description

The SMART1000RML2U SmartPro 120V 1kVA 900W 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 SMART1000RML2U switches to 1kVA/900W 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 18 minutes of support at half load (450W) and 6.3 minutes at full load (900W). Adding optional external battery packs, such as Tripp Lite's BP36V15-2U (sold separately), provides extended runtime.

Automatic voltage regulation (AVR) maintains 120V nominal output over an input range of 83V to 147V 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 for free download at [www.tripplite.com/poweralert](http://www.tripplite.com/poweralert), the SMART1000RML2U enables safe unattended system shutdown and file saves in case of a prolonged power failure.

### Features

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

- Provides fully regulated sine wave AC output for servers, network storage devices and telecom

### Highlights

- Corrects under- and overvoltages from 83V to 147V
- 8 NEMA 5-15R outlets—4 switchable via network interface
- Network power management and control capability
- Expandable runtime with optional external battery packs
- 18 min. runtime at half load; 6.3 min. at full load

### Package Includes

- SMART1000RML2U SmartPro 120V 1kVA 900W Line-Interactive Sine Wave UPS
- USB cable
- DB9 cable
- EPO cable
- Mounting hardware
- Owner's manual



hardware

- Audible alarm signals loss of utility power, overload, low battery and fault conditions
- 8 NEMA 5-15R outlets
- 10 ft. power cord with 120V NEMA 5-15P input
- 570-joule surge suppression rating

#### **Reliable Battery Backup**

- Supports half load up to 18 min. and full load up to 6.3 min.
- Internal batteries designed for hot-swap field replacement
- 97% line-power efficiency rating saves money in energy costs
- Expandable runtime with optional external battery packs, such as Tripp Lite's BP36V15-2U

#### **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–147V 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 signals operating mode, load level, voltage, battery charge and estimated runtimes
- Rotates for easy viewing in rack-mount or tower configurations

#### **Network Management Cards**

- Compatible with Tripp Lite UPS management card options TLNETCARD, WEBCARDLX and SNMPWEBCARD

#### **Communications Ports**

- USB and DB9 ports combine with PowerAlert software, available via free download, to monitor operating conditions, monitor AC power, and enable safe unattended system shutdown and file saves in case of a prolonged power failure
- 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
- Supports front-mount installation in 4 post racks with UPSHDEARKIT accessory
- Mounts in upright tower position with optional 2-9USTAND accessory



## Specifications

OVERVIEW	
UPC Code	037332160546
OUTPUT	
Output Volt Amp Capacity (VA)	1000
Output kVA Capacity (kVA)	1
Output Watt Capacity (Watts)	900
Output Capacity Details	Output is reduced to 800 watts maximum when used with external battery packs
Power Factor	.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)	120V (+6%, -14%)
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)	Pure Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
INPUT	
Rated input current (Maximum Load)	9.2A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-15P
UPS Input Cord Length (ft.)	10
UPS Input Cord Length (m)	3.1
Recommended Electrical Service	15A 120V
Input Phase	Single-Phase
BATTERY	
Full Load Runtime (min.)	6.3 min. (900w)
Half Load Runtime (min.)	18 min. (450w)





UPS Power Module Dimensions (hwd, cm)	8.76 x 43.94 x 34.16
Rack Height (U Spaces)	2
Minimum Required Rack Depth without External Battery Pack (cm)	42
Minimum Required Rack Depth with External Battery Pack (cm)	51
Minimum Required Rack Depth without External Battery Pack (in.)	16.45
Minimum Required Rack Depth with External Battery Pack (in.)	19.95
UPS Power Module Weight (lbs.)	45.5
UPS Power Module Weight (kg)	20.64
Shipping Dimensions (hwd / in.)	8.600 x 23.200 x 19.200
Shipping Dimensions (hwd / cm)	21.84 x 58.93 x 48.77
Shipping Weight (lbs.)	57.4000
Shipping Weight (kg)	26.04
Cooling Method	Fan
UPS Housing Material	Steel
Primary UPS Height (mm)	88
Primary UPS Width (mm)	439
Primary UPS Depth (mm)	342
<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)	179
Battery Mode BTU / Hr. (Full Load)	542
AC Mode Efficiency Rating (100% Load)	97%
<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, DB9 and EPO cabling included



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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), 3 millisecond (Battery to AC mode)
Low Voltage Transfer to Battery Power (Setpoint)	83
High Voltage Transfer to Battery Power (Setpoint)	147
<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
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks; Schedulable daily hours of economy mode operation
<b>CERTIFICATIONS</b>	
UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category A (EMI)
<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>

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