# 1400VA 940W SmartPro UPS System, Intelligent, line-interactive battery backup and network power management

MODEL NUMBER: **SMART1400RM**

## Description

Tripp Lite's SMART1400RM UPS System provides intelligent, line-interactive battery backup for network devices and servers. 1,400 VA of battery backup allows you to work through short blackouts or safely shut down during longer ones. The unit has 8 outlets, diagnostic LEDs and 2 built-in serial ports that work with PowerAlert Software to provide simultaneous automatic unattended shutdown of multiple servers. Tripp Lite's PowerAlert Software is the only UPS software capable of managing every type and brand of UPS on your network, from every manufacturer. $50,000 Ultimate Lifetime Insurance (USA & Canada Only). No warranty cards required for coverage!

## Features

- 1,400 VA output power rating (940 watts)
- 8 protected outlets; 6 ft. cord
- Rackmount fits standard 19 in. rack (3 rack spaces)
- EXCLUSIVE from Tripp Lite: 2 DB9 serial ports to manage 2 network servers simultaneously; SNMP-compatible
- PowerAlert Unattended Shutdown Software and 2 (6 ft.) network cables included
- EXCLUSIVE from Tripp Lite: PowerAlert Software compatible with every brand of UPS, from every manufacturer
- Line-interactive with 4 levels of automatic voltage regulation (AVR)
- Complete surge protection and EMI/RFI noise filtering
- $50,000 Ultimate Lifetime Insurance (USA & Canada Only) -- No warranty cards required for coverage!
- Diagnostic LEDs (indicate 17 performance conditions)
- Hot-swap battery replacement

## Highlights

- 8 outlets provide battery backup and surge protection
- Automatic Voltage Regulation (AVR) corrects brownouts and overvoltages without draining battery power
- Two serial ports and free software facilitate unattended shutdown and network-wide power management
- $50,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

## Package Includes

- SMART1400RM UPS System
- PowerAlert Software and 2 (6 ft;.) network cables
- Warranty information
- Instruction manual

## Specifications

| OVERVIEW | |
|---|---|
| UPC Code | 037332031280 |
| UPS Type | Line-Interactive |

| INPUT | |
|---|---|
| Input Phase | Single-Phase |
| Nominal Input Voltage(s) Supported | 120V AC |
| UPS Input Connection Type | 5-15P |
| UPS Input Cord Length (ft.) | 6 |
| UPS Input Cord Length (m) | 1.8 |
| Recommended Electrical Service | 15A 120V |
| Input Connection Type | NEMA 5-15P |
| Voltage Compatibility (VAC) | 120 |

| **OUTPUT** | |
|---|---|
| Output Capacity (VA) | 1400 |
| Output Capacity (Watts) | 940 |
| Frequency Compatibility | 60 Hz |
| Output AC Waveform (Battery Mode) | PWM sine wave |
| Nominal Output Voltage(s) Supported | 120V |
| Output Receptacles | (8) 5-15R |
| Output Nominal Voltage | 120 V AC |
| Output Voltage Regulation | LINE MODE: Sine wave line voltage 120V (-12% / +5%)<br> BATTERY MODE: PWM sine wave output 120V +/-5% |
| Output Frequency Regulation | LINE MODE: Passes line frequency of 60Hz +/-10%  <br>BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz |
| Overload Protection | Resettable circuit breaker |
| Customized Load Management Receptacles | "1 individually controllable  outlet supports automated load shedding and remote reboot on demand of locked network devices.  Configurable via PowerAlert software to automatically switch off optional loads, like monitors, to increase available runtime for servers and other critical devices. " |
| Individually Controllable Load Banks | No |

| **BATTERY** | |
|---|---|
| Runtime Full Load (min.) | 10 min. |
| Runtime Half Load (min.) | 26 min. |
| Expandable Runtime | No |
| Battery Access | Battery access door allows hot swap battery replacement without powering connected equipment off |
| Typical Battery Lifespan | 3-6 years, depending on usage |
| Battery Charge | 2-4 hours to 90% |

| **VOLTAGE REGULATION** | |
|---|---|
| Voltage Regulation Description | Line interactive UPS offers 2 boost levels of brownout correction and a single level of overvoltage adjustment to maintain usable, computer grade output without consuming battery power. |
| Overvoltage Correction | Input voltages between 127 and 140V AC are reduced by 10% |
| Brownout Correction | Input voltages between 95 and 105V AC are boosted by 12% |
| Severe Brownout Correction | Input voltages between 87 and 94V AC are boosted by 22% |

| **USER INTERFACE, ALERTS & CONTROLS** | |
|---|---|
| Front Panel LEDs | Yes, 5 front-panel indicator LEDs confirm line power, battery power, voltage regulation, load level and battery low / replace status |
| Switches | Yes, includes 2 front panel mounted push-button switches for system enable, self-test and alarm cancel |
| Audible Alarm | 4 function audible alarm indicates power failure conditions (4 short beeps every 10 seconds), overload (continuous short beeps) and low battery (continuous tone) |

| SURGE / NOISE SUPPRESSION | |
|---|---|
| EMI / RFI AC Noise Suppression | Yes |
| AC Suppression Response Time | Instantaneous |

| PHYSICAL | |
|---|---|
| Primary Form Factor | Rackmount |
| Material of Construction | PVC |
| Cooling Method | Convection |
| Form Factors Supported | 3U rackmount |
| Shipping Dimensions (hwd / in.) | 13.50 x 8.25 x 20.00 |
| Shipping Dimensions (hwd / cm) | 34.29 x 20.96 x 50.80 |
| Shipping Weight (lbs.) | 42.00 |
| Shipping Weight (kg) | 19.05 |
| Unit Dimensions (hwd / in.) | 0.000 x 0.000 x 0.000 |
| Unit Dimensions (hwd / cm) | 13.3 x 40 x 26.7 |
| Unit Weight (lbs.) | 43 |
| Unit Weight (kg) | 19.50 |

| ENVIRONMENTAL | |
|---|---|
| Relative Humidity | 0 to 95%, non-condensing |

| COMMUNICATIONS | |
|---|---|
| Network Monitoring Port | Two built-in DB9 communications ports (1 RS232, 1 contact closure) for use with PowerAlert software and cabling |
| SNMP Compatibility | Yes, with SNMPWEBSOLO external adapter accessory |
| Communications Interface | DB9 Serial |

| LINE / BATTERY TRANSFER | |
|---|---|
| Transfer Time (Line Power to Battery Mode) | Battery Door / Hot Swappable |
| Low Voltage Transfer to Battery Power | Maintains output from battery power as line voltage drops to 87V or less |
| High Voltage Transfer to Battery Power | Maintains output from battery power as line voltage increases to 140V or higher |

| APPLICATIONS | |
|---|---|
| UPS Applications | High-End Desktop/Small Network |

| STANDARDS & COMPLIANCE | |
|---|---|
| Product Certifications | UL 1778; cUL Listed |

## WARRANTY & SUPPORT

| | |
|---|---|
| Product Warranty Period (Worldwide) | 2-year limited warranty |
| Optional Coverage | 3-5 year warranties, plus next day and on-site warranty coverage available for select opportunities. Contact Tripp Lite for additional information. |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | $50,000 <a class="insuranceLink" href="//tripplite.eaton.com/support/insurance-policy">Ultimate Lifetime Insurance</a>  |