

SmartPro UPS System

Intelligent, line-interactive battery backup and network power management



Model #: SMART2200RM

- ▶ 8 outlets provide battery backup and surge protection
- ▶ Automatic Voltage Regulation (AVR) corrects brownouts and overvoltages without draining battery power
- ▶ Three serial ports and free software facilitate unattended shutdown and network-wide power management
- ▶ \$250,000 Ultimate Lifetime Insurance (USA & Canada only)

DESCRIPTION

Tripp Lite's SMART2200RM UPS System provides intelligent, line-interactive battery backup for network devices and servers. 2200 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 3 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. \$250,000 Ultimate Lifetime Insurance (USA & Canada Only). No warranty cards required for coverage!

KEY BUYING POINTS

- 2,200 VA output power rating (1,700 watts)
- 8 protected outlets; 12-ft. cord
- Rackmount fits standard 19 in. rack (4 rack spaces)
- EXCLUSIVE from Tripp Lite: 3 DB9 serial ports to manage multiple network servers simultaneously; SNMP-compatible
- PowerAlert Unattended Shutdown Software and 3 (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
- \$250,000 Ultimate Lifetime Insurance (USA & Canada Only) — No warranty cards required for coverage!
- Diagnostic LEDs (indicate 17 performance conditions)
- Hot-swap battery replacement
- External battery capability

TYPICAL APPLICATIONS

- Corporate and departmental servers, UNIX servers/workstations, hubs/routers/gateways/bridges, CAD/CAM/CAE workstations, network workstations, small-business servers, personal computers, and more.

OPTIONS & ACCESSORIES

- 24 Volt External Battery Pack for SmartPro NET for extended-runtime, 2-12V/33AH batteries, cable (BP24V33)
- Battery Pack Rackmount Adapter for supporting BP24V33 battery cabinet in 19 in. racks (BPRM)
- External SNMP/Web card for accessory slot ([SNMPWEBCARD](#))
- Temperature/Humidity/Contact Closure monitoring accessory used with SNMPWEBCARD ([ENVIROSENSE](#))
- [DNET1](#) Dataline protection module protects 10/100 baseT network ethernet line
- [DTEL2](#) Dataline protection module protects 2 dialup phone lines
- [UPSRMR11](#) 4-post adjustable rackmount shelf kit

PACKAGE INCLUDES

- SMART2200RM UPS System
- PowerAlert Software and 3 (6-ft.) network cables
- Warranty information
- Instruction manual

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW	
System overview:	Line Interactive RackMount UPS protects connected equipment from blackouts, brownouts, overvoltages, surges and line noise. Includes multiple RS-232 LAN ports and bundled software for multi-server support.
Voltage compatibility:	120 V AC
Frequency compatibility:	60 Hz
OUTPUT	
Output volt amp capacity (VA):	2200
Output watt capacity (watts):	1700
Output nominal voltage:	120 V AC
Output voltage regulation:	LINE MODE: Sine wave line voltage 120V (-12% / +5%) BATTERY MODE: PWM sine wave output 120V +/-5%
Output frequency regulation:	LINE MODE: Passes line frequency of 60Hz +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz
Outlet quantity / type:	8 NEMA 5-15R
Customized load management receptacles:	2 individually controllable outlets support 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.
Overload protection:	Resettable circuit breaker
INPUT	
Input connection type:	NEMA 5-15P
Input cord length:	8 ft.
Recommended electrical service:	20A 120V
BATTERY	
Full load runtime:	13+ minutes (2200VA)
Half load runtime:	29+ minutes (1100VA)
DC system voltage:	24 V DC
Typical battery lifespan:	3-6 years, depending on usage
Battery recharge rate:	2-4 hours to 90%
Expandable battery runtime:	Supports extended runtime with optional BP24V33 external battery pack (multi-pack compatible)
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%
Direct pass through:	Input voltages between 110 and 127V AC are passed through unchanged
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%
LEDS ALARMS & SWITCHES	
Front panel LEDs:	Yes, 5 front-panel indicator LEDs confirm line power, battery power, voltage regulation, load level and battery low / replace status
Alarms:	4 function audible alarm indicates power failure conditions (4 short beeps every 10 seconds), overload (continuous short beeps) and low battery (continuous tone)
Switches:	Yes, includes 2 front panel mounted push-button switches for system enable, self-test and alarm cancel
SURGE / NOISE SUPPRESSION	
AC surge suppression:	Conforms to IEEE 587 / ANSI C62.41 specifications
AC suppression response time:	Instantaneous
EMI / RFI AC noise suppression:	Yes
PHYSICAL	
Shipping weight (lbs):	96
Shipping weight (kg):	43.6
Unit weight (lbs):	96
Unit weight (kg):	43.6
Unit Dimensions (HWD/in):	7 x 14.75 x 17.75
Unit Dimensions (HWD/cm):	17.8 x 37.5 x 45.1
Material of construction:	Steel
Form factors supported:	4U rackmount
Cooling method:	Convection
Battery Access:	Battery access door allows hot swap battery replacement without powering connected equipment off
ENVIRONMENTAL	
Operating Temperature:	+32 to +104 degrees Fahrenheit 0 to +40 degrees Celsius
Storage Temperature:	+5 to +122 degrees Fahrenheit -15 to +50 degrees Celsius
Relative Humidity:	0 to 95%, non-condensing
COMMUNICATIONS	
Network monitoring port:	Three built-in DB9 communications ports (1 RS232, 2 contact closure) for use with PowerAlert software and cabling.
Software and cabling included:	Includes PowerAlert Plus software and 3 monitoring cables
SNMP compatibility:	Yes, with SNMPWEBSOLO external adapter accessory
LINE / BATTERY TRANSFER	
Transfer time from 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 75V or less
High voltage transfer to battery power:	Maintains output from battery power as line voltage increases to 147V or higher
CERTIFICATIONS	
Certifications:	UL1778 (USA), cUL (Canada)
WARRANTY	
Product warranty:	2 year product warranty
Connected equipment insurance:	\$250,000 connected equipment insurance (USA / Canada only)

Optional coverage:	3-5 year warranties, plus next day and on-site warranty coverage available for select opportunities. Contact Tripp Lite for additional information.
SPECIAL FEATURES	
Appearance:	Attractive grey color 4U rackmount housing
BATTERY PACK ACCESSORY (optional)	
Battery Pack Accessory (optional):	BP24V33 (optional)