

Model #: SMART2200RM2U

SmartPro 2.2kVA 1920W Line Interactive Sine Wave UPS, SNMPWEBCARD option, 2U Rack/Tower, LCD, USB, RS232, EPO, 120V

Highlights

- 2.2kVA / 2200VA / 1920W line interactive 2U rack/tower UPS, Sine Wave
- 120V output, Corrects brownouts and overvoltages from 83V to 145V
- 0.87 Power Factor, Interactive LCD interface
- 4 post compatible mounting accessories
- 96% line-mode efficiency, 2 switched load banks
- USB, RS232, EPO and slot for SNMPWEBCARD option
- 120V NEMA 5-20P input, 4 NEMA 5-15R & 4 NEMA 5-15/20R outlets

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 optional SNMPWEBCARD network interface. HID-compliant USB interface 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 configurations. Includes PowerAlert monitoring software and complete cabling. 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.

Applications

Ideal for server, networking and telecommunications equipment

Package Includes

- SMART2200RM2U UPS system
- PowerAlert Software with USB, Serial & EPO cabling
- 4 post rackmount installation kit
- Instruction manual

Features

- Tripp Lite SMART2200RM2U line interactive 2U rack/tower UPS with 2200VA / 2.2kVA / 1920W capacity
- Line interactive UPS with Automatic Voltage Regulation (AVR) corrects brownouts and overvoltages from 83 to 145V
- NEMA 5-20P input plug; 4 NEMA 5-15R & 4 NEMA 5-15/20R output receptacles, Two independently switchable 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 emisssions
- Internal batteries offer 12 minutes at 50% load (960W) and 4.5 minutes at 100% load (1920W)
- Hot-swappable, user-replaceable internal batteries can be replaced with no disruption to connected equipment
- 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 optional SNMPWEBCARD accessory monitoring options
- HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- Included PowerAlert UPS monitoring software; Built-in Emergency Power Off (EPO) interface with cable

Specifications

OUTPUT		
Output Volt Amp Capacity (VA)	2200	
Output kVA capacity (kVA)	2.2	
Output Watt Capacity (watts)	1920	
Output kW capacity	1.92	
Output power factor	0.87	
Nominal Output Voltage(s) Supported	120V	
Frequency compatibility	60 Hz	
Output voltage regulation (line mode)	-14%, +6%	
Output voltage regulation (Battery mode)	+/- 5%	
Built-in UPS output receptacles	4 5-15R outlet(s); 4 5-15/20R outlet(s)	
Built-in controllable switched load banks	Two switchable single-outlet load banks	
Output AC waveform (AC mode)	Pure Sine wave	
Output AC waveform (battery mode)	Pure Sine wave	
INPUT		
Rated input current (at maximum load)	16A (120V)	
Nominal Input Voltage(s) Supported	120V AC	
UPS input connection type	5-20P	
Input circuit breaker	20A	
UPS Input cord length (ft.)	10	
UPS Input cord length (m)	3	
Recommended Electrical Service	20A 120V	
BATTERY		

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factors supported with optional accessories	factors supported with included	4 post 19 inch rackmount (mounting rail kit included)		
Primary form factor Rackmount	factors supported with optional	2 post rackmount (2POSTRMKITWM); Wallmount (2POSTRMKITWM); Tower (2-9USTAND)		
	Primary form factor	Rackmount		

UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	3.5 x 17.5 x 19.5	
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	8.9 x 44.4 x 49.4	
Installed whole system total rack space height (rack spaces)	2U	
Secondary form factor	Tower (requires 2-9USTAND)	
UPS / Power Module weight (lbs)	57.6	
UPS / Power Module weight (kg)	26.1	
UPS Shipping dimensions (height x width x depth / inches)	7.9 x 21.7 x 24.2	
UPS Shipping dimensions (height x width x depth / cm)	20.1 x 55.1 x 61.5	
Shipping weight (lbs)	57.6	
Shipping weight (kg)	26.2	
UPS housing material	Steel	
Cooling method	Fan	
ENVIRONMENTAL		
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	
COMMUNICATIONS		
Communications interface	USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface	
Network monitoring port description	Supports detailed monitoring of UPS and site power conditions	
PowerAlert software	Included	
Communications cable	USB, DB9 and EPO cabling included	
WatchDog compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications	
LINE / BATTERY TRAN	SFER	

Transfer time	5 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		
SPECIAL FEATURES			
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 & high efficiency features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks		
CERTIFICATIONS			
UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category A (EMI)		
WARRANTY			
Product Warranty Period (Worldwide)	2-year warranty, 3 year with registration. Note: registration is required for 3-year warranty.		
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 Ultimate Lifetime Insurance		

Related Items

Optional Products

Related Model	Description	Qty.
SNMPWEBCARD	For remote monitoring and control via SNMP, Web, or Telnet.	1
ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	1
2-9USTAND	Enables Tower Placement of Rackmount UPS Systems	1
2POSTRMKITWM	Enables 2-Post Rackmount or Wallmount Installation of Select Rackmount UPS Systems	1
WEXT5-2200-3000	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 2200-3000VA or less	1
PDU1220	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	1
WATCHDOGSW	WatchDog Service Monitoring / Reboot Software	1

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=4403.

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