

SmartPro 120V 2.2kVA 1.9kW Line-Interactive Sine Wave UPS, 4U Short Depth, Extended Run, Network Card Options, USB, DB9

MODEL NUMBER: **SMART2200CRMXL**



Description

Tripp Lite's SmartPro Compact Rackmount Uninterruptible Power Supply (UPS) offers line interactive voltage regulation, network grade surge suppression and long lasting battery support for critical network hardware during blackouts and extended power failures. Special reduced-depth housing, larger internal batteries, higher rated wattage and included 2 post rackmount installation hardware makes these systems ideal for network and telecom wiring closets and other limited-space installations. 97% line power mode efficiency saves operating costs over less efficient UPS types. Runtime is expandable with optional BP48V24-2U (limit 1), BP48V48RT4U (multi-pack compatible) and BP48V27-2US (multi-pack compatible) reduced-depth external battery packs.

SMART2200CRMXL 4U rackmount 2200VA/1900 watt UPS offers battery-derived sine wave AC output during power failures and extreme voltage variations. Line interactive Automatic Voltage Regulation (AVR) provides two levels of voltage boost during brownouts and one level of voltage cut during overvoltage conditions to maintain regulated 120V nominal output over an input range of 83-145V. Includes NEMA 5-20P input plug, NEMA 5-15R and 5-15/20R output receptacles. Network management interfaces support simultaneous communications via USB port, DB9 serial port and optional network management accessory card slot. HID-compliant USB interface enables full integration with built-in power management and auto shutdown features of Windows and Mac OS X. Supports detailed monitoring of equipment load levels, self-test data and utility power conditions via all 3 network interfaces at once. PowerAlert monitoring software is available via free download. Emergency Power Off (EPO) interface. Integrated 3-bank programmable PDU switching supports load shedding and remote-reboot of up to 3 individual connected devices. 3-stage metered current monitoring and battery charge status LEDs. Utility power and voltage regulation LEDs. Audible alarm. Self-test. 2-post rackmount accessories included; 2-9USTAND tower stands. Field-replaceable, hot-swappable internal batteries and external battery packs. Attractive all-black color scheme.

Highlights

- 2.2kVA / 2200VA / 1900W line interactive 4U reduced-depth rack/tower UPS, Sine Wave
- Reduced depth housing is ideal for 2 post rackmount installations
- 97% line-mode efficiency, 3 switched load banks, 2-post mounting kit
- USB, RS232 & EPO and slot for network management card options
- 120V NEMA 5-20P input, 4 NEMA 5-15R & 4 NEMA 5-15/20R outlets
- To use the Auto Probe feature, this product requires a WEBCARDLX network interface (sold separately) running LX firmware update 15.5.2 or later

Package Includes

- SmartPro Compact 4U Rackmount UPS system
- 2 post rackmount installation brackets
- USB and Serial Cabling
- Owner's manual



Tripp Lite
1111 W. 35th Street
Chicago, IL 60609 USA
Telephone: 773.869.1234
www.tripplite.com

Features

- Tripp Lite's SmartPro Compact Rackmount Uninterruptible Power Supply (UPS) offers line interactive voltage regulation, network grade surge suppression and long lasting battery support for critical network hardware during blackouts and extended power failures
- Special reduced-depth housing, larger internal batteries, higher rated wattage and included 2 post rackmount installation hardware makes these systems ideal for network and telecom wiring closets and other limited-space installations
- Runtime is expandable with optional BP48V24-2U (limit 1), BP48V48RT4U (multi-pack compatible) and BP48V27-2US (multi-pack compatible) reduced-depth external battery packs
- Some external battery configurations require the use of Tripp Lite's External Battery Configurator (see manual)
- Intelligent battery management system extends battery life
- SMART2200CRMXL 4U rackmount 2200VA/1900 watt UPS offers battery-derived sine wave AC output during power failures and extreme voltage variations
- Line interactive Automatic Voltage Regulation (AVR) provides two levels of voltage boost during brownouts and one level of voltage cut during overvoltage conditions to maintain regulated 120V nominal output over an input range of 83-145V
- Includes NEMA 5-20P input plug, NEMA 5-15R and 5-15/20R output receptacles
- Network management interfaces support simultaneous communications via USB port, DB9 serial port and optional network management accessory card slot
- Compatible with Tripp Lite UPS management card options WEBCARDLX, SNMPWEBCARD and RELAYIOCARD
- HID-compliant USB interface enables full integration with built-in power management and auto shutdown features of Windows and Mac OS X
- 97% efficiency in line power mode offers substantially lower operating costs than lower efficiency UPS types
- Supports detailed monitoring of equipment load levels, self-test data and utility power conditions via all 3 network interfaces at once
- USB & Serial ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from www.tripplite.com/poweralert
- Emergency Power Off (EPO) interface
- Integrated 3-bank programmable PDU switching supports load shedding and remote-reboot of up to 3 individual connected devices
- 3-stage metered current monitoring and battery charge status LEDs; Utility power and voltage regulation LEDs; Audible alarm; Self-test
- 2-post rackmount accessories included; 2-9U STAND tower stands available
- Field-replaceable, hot-swappable internal batteries and external battery packs
- Attractive all-black color scheme



Tripp Lite
1111 W. 35th Street
Chicago, IL 60609 USA
Telephone: 773.869.1234
www.tripplite.com

Specifications

OVERVIEW	
UPC Code	037332142368
UPS Type	Line-Interactive
INPUT	
Rated input current (Maximum Load)	16A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-20P
Input Circuit Breakers	20A
UPS Input Cord Length (ft.)	10
UPS Input Cord Length (m)	3.1
Recommended Electrical Service	20A 120V
Input Phase	Single-Phase
OUTPUT	
Output Volt Amp Capacity (VA)	2200
Output kVA Capacity (kVA)	2.20
Output Watt Capacity (Watts)	1900
Output kW Capacity (kW)	1.90
Power Factor	0.86
Nominal Voltage Details	120v nominal output in battery mode
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	-18%, +8%
Output Voltage Regulation (Battery Mode)	+/- 5%
Load Management Receptacles	Three switchable single-outlet 5-15R load banks
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	110V; 115V; 120V
Output Receptacles	(4) 5-15R; (4) 5-15/20R
Individually Controllable Load Banks	Yes
BATTERY	

4 / 7



Tripp Lite
1111 W. 35th Street
Chicago, IL 60609 USA
Telephone: 773.869.1234
www.tripplite.com

Installation Form Factors Supported with Included Accessories	2 post 19 inch rackmount
Installation Form Factors Supported with Optional Accessories	4 post rackmount full-depth (4POSTRAILKIT); 4 post rackmount short-depth (4POSTRAILKITWM); Tower (2-9USTAND)
Minimum Required Rack Depth with External Battery Pack (cm)	63
Minimum Required Rack Depth with External Battery Pack (in.)	24.8
Minimum Required Rack Depth without External Battery Pack (cm)	58
Minimum Required Rack Depth without External Battery Pack (in.)	22.8
Optional Mounting Accessory Notes	Optional 2-9USTAND ; enables upright tower UPS placement; 4POSTRAILKIT ; mounting bracket enables installation in 4 post racks from 20.5 to 36 inches; 4POSTRAILKITWM ; enables installation in 4-post short-depth racks from 14.5 to 23.5 inches (368 to 597mm)
Primary Form Factor	Rackmount
Primary UPS Depth (mm)	452
Primary UPS Height (mm)	175
Primary UPS Width (mm)	439
Rack Height	4U
Shipping Dimensions (hwd / cm)	35.56 x 58.42 x 59.69
Shipping Dimensions (hwd / in.)	14.00 x 23.00 x 23.50
Shipping Weight (kg)	56.25
Shipping Weight (lbs.)	124.00
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	17.50 x 43.94 x 45.21
UPS Power Module Dimensions (hwd, in.)	6.89 x 17.30 x 17.80
UPS Power Module Weight (kg)	45.50
UPS Power Module Weight (lbs.)	100.3
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)	242



Tripp Lite
1111 W. 35th Street
Chicago, IL 60609 USA
Telephone: 773.869.1234
www.tripplite.com

Battery Mode BTU / Hr. (Full Load)	885
AC Mode Efficiency Rating (100% Load)	97%
Audible Noise	45 dBA maximum, front side 1m
COMMUNICATIONS	
Network Management Cards	 SNMPWEBCARD WEBCARDLX RELAYIOCARD
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 http://www.tripplite.com/poweralert
Communications Cable	USB and DB9 cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Communications Interface	DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB (HID enabled)
LINE / BATTERY TRANSFER	
Transfer Time	5 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	83
High Voltage Transfer to Battery Power (Setpoint)	145
SPECIAL FEATURES	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Hot swappable batteries; Auto Probe Monitoring and Reboot (requires WEBCARDLX)
STANDARDS & COMPLIANCE	
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 (U.S. & Canada)	2-year warranty, 3 year with registration. Note: Registration is required for 3-year warranty.
Product Warranty Period (International)	2-year limited warranty
Product Warranty Period (Mexico)	2-year warranty, 3 year with registration. Note: Registration is required for 3-year warranty.
Product Warranty Period (Puerto Rico)	2-year warranty, 3 year with registration. Note: Registration is required for 3-year warranty.



Tripp Lite
1111 W. 35th Street
Chicago, IL 60609 USA
Telephone: 773.869.1234
www.tripplite.com

Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 Ultimate Lifetime Insurance
---	--

© 2020 Tripp Lite. All rights reserved. All product and company names are trademarks or registered trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them. Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice. Tripp Lite uses primary and third-party agencies to test its products for compliance with standards. See a list of Tripp Lite's testing agencies:
<https://www.tripplite.com/products/product-certification-agencies>